## STIC-Biotech/ChemLib

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|    |   |  |

Sent:

Vivlemore, Tracy Monday, August 22, 2005 3:04 PM

To:

STIC-Biotech/ChemLib

Subject:

Sequence search request, application 10/828,394

Hello,

For application 10/828,394 please perform the following sequence searches:

For SEQ ID NO: 1, a score over length search of nucleotides 1-1643 with a length of 8-50 and a cutoff of 80%. For SEQ ID NO: 5, a length limited search with a maximum length of 50.

Thank you,

Tracy Vivlemore PhD Remsen 2B-02, AU 1635

Mailbox: 2C-18 Tel: 571-272-2914

\*\*\*\*\*\*\*\* STAFF USE ONLY Searcher:\_ Searcher Phone: 2-Date Searcher Picked up:\_ Date Completed:\_\_ Searcher Prep/Rev. Time:\_ Online Time:\_

Type of Search

| NA#:         | AA#:        |
|--------------|-------------|
|              | SPDI:       |
| S/L:         | Oligomer:   |
| Encode/Trans | sl:         |
| Structure#:_ | Text:       |
| inventor:    | Litigation: |

Vendors and cost where applicable STN:\_\_

| DIALOG:          | _ |
|------------------|---|
| QUESTEL/ORBIT:   | _ |
| LEXIS/NEXIS:     | _ |
| SEQUENCE SYSTEM: | _ |
| WWW/Internet:    | _ |
| Other(Specify):  | _ |

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## SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is 20.20

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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SEQ ID NO 15
LENGTH: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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Sequence 6, Appli
Sequence 7759, Appli
Sequence 77, Appli
Sequence 43, Appli
Sequence 43, Appl
Sequence 35, Appl
Sequence 35, Appl
Sequence 35, Appl
Sequence 10991, A
Sequence 11, Appli
Sequence 11, Appli
Sequence 163, Appli
Sequence 103491,
Sequence 103491,
Sequence 10, Appli
Sequence 10, Appli
Sequence 10, Appli
Sequence 10, Appli
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Sequence 15, Appl
Sequence 35606, P
                                                                              September 3, 2005, 15:23:21; Search time 128 Seconds (without alignments) 268.452 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Description
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Sequence 2
Sequence 2
Sequence 1
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                                                                                                                                                                                                                                          1209694
                                                                                                                                                                                                                                                                                                                                                             /cgnZ_6/ptodata/1/ina/SA_COMB.seq:*
/cgnZ_6/ptodata/1/ina/SB_COMB.seq:*
/cgnZ_6/ptodata/1/ina/sA_COMB.seq:*
/cgnZ_6/ptodata/1/ina/sB_COMB.seq:*
/cgnZ_6/ptodata/1/ina/pcTUS_COMB.seq:*
/cgnZ_6/ptodata/1/ina/pcTUS_COMB.seq:*
          GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-485-632B-15
US-09-784-403A-6
US-09-396-1958-6
US-09-396-1956-7759
US-09-81-549-46
US-09-82-549-46
US-09-82-549-46
US-09-81-861A-35
US-08-467-603-35
US-08-467-603-35
US-09-374-671A-35
US-09-374-671A-35
US-09-396-1966-10991
US-09-422-978-3015
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US-09-396-196G-44424
US-09-396-196G-44425
                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                        nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                    Issued Patents NA:*
                                                                                                                               US-10-828-394-5
21
                                                                                                                                                                                                                                                                 seq length: 0
seq length: 50
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                                                                                                                                Title:
Perfect score:
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Maximum DB
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No.
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Sequence 15, Application US/09485632B

Patent No. 6605280

GENERAL INPORMATION:
APPLICANT: No. 6605280ick, Daniela
APPLICATION NUMBER: 128463
PRIOR FILING DATE: 1998-08-13
PRIOR PILING DATE: 1998-07-22
PRIOR PLING DATE: 1997-11-06
PRIOR FILING DATE: 1997-10-06
PRIOR FILING DATE: 1997-08-27
PRIOR FILING DATE: 1997-08-14
PRIOR FILING DATE: 1997-08-14
PRIOR FILING DATE: 1997-08-27
PRIOR FILING DATE: 1997-08-14
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                              Sequence 44427, A Sequence 108.28, Sequence 19, Appl Sequence 54, Appl Sequence 67, Appl Sequence 68115, A Patent No. 5463174
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         Sequence
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US-09-396-196G-44426
US-09-396-196G-44427
US-09-396-196G-44427
US-09-887-145-35
US-09-887-145-35
US-08-467-603-54
US-08-467-603-54
US-08-467-603-54
US-09-374-671A-54
US-09-374-671A-54
US-09-374-671A-54
US-09-198-452A-4550
US-09-198-452A-4550
US-09-396-196G-7746
US-09-396-196G-7746
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Pred. No. 80;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 2
US-09-410-935B-6
; Sequence 6, Application US/09410935B
; Patent No. 6504083
; GENERAL INFORMATION:
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Gaps

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APPLICANT: Chung, Hoong M.
APPLICANT: Lee, Tae H.
APPLICANT: Chung, Hyun H.
APPLICANT: Lee, Yong B.
APPLICANT: Lee, Yong B.
APPLICANT: Lee, Yong W.
APPLICANT: Park, Young W.
APPLICANT: APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .;
0
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ADDRESSEE: Birch, Stewart, Kolash & Birch
STREET: P.O. Box 747
CITY: Falls Church
STRATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER: BEDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PREDABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: PREDABLE FORM:
MEDIUM TYPE: PLOSPY MISH
COMPUTER: PARCHICH Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/885,689A
FILING DATE: 19-MAY-1992
CLASSIFICATION INFORMATION:
NAME: SVENBSON, Leonard R.
REGISTRATION NUMBER: 377-144P
TELECOMMUNICATION INFORMATION:
TELEPRAX: 703-241-1300
TELEPRAX: 703-241-1306
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymertix, Inc.
APPLICANT: Affymertix, Inc.
APPLICANT: Affymertix, Inc.
APPLICANT: Affymertix, Inc.
CURRENT OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT PLLING DATE: 1999-09-15
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         76.2%; Score 16; DB 4; L6 100.0%; Pred. No. 4.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/07885689A
Patent No. 5366876
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 AGCAGCAGAGTCTTCA 17
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Best Local Similarity 100.
Matches 16; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
CORGANISM: Mus musculus
US-09-396-196G-7759
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MOLECULE TYPE:
HYPOTHETICAL: N
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US-07-885-689A-7
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85.7%; Pred. No. 3.9e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 32;
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; Sequence 6, Application US/09784403A
; Patert No. 6670467
; GENERAL INFORMATION:
   APPLICANT: Barbour, Eric
; APPLICANT: Buclaire Meyer, Terry
   APPLICANT: Eld Saad, Mohammed
   TITLE OF INVENTION: No. 6670467el Maize Promoters
; FILE REFERENCE: 35718/208067
; CURRENT APPLICATION NUMBER: US/09/784,403A
   CURRENT FILING DATE: 2001-02-15
; PRIOR FILING DATE: 1998-11-05
   PRIOR FILING DATE: 1998-10-06
; PRIOR PLING DATE: 1998-10-06
; PRIOR PELICATION NUMBER: US 60/103,294
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEC ID NOS: 19
; SOFTWARE: FASTERO for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTHER INFORMATION: Gene specific primer 1 for Gos-2 US-09-784-403A-6
                                                       APPLICANT: EUCLAITE Meyer, Terry
APPLICANT: EUCLAITE Meyer, Terry
APPLICANT: EIG Saad, Mohammed
TITLE OF INVENTION: NO. 6504083el Maize Promoters
FILE REFERENCE: 5718-72
CURRENT APPLICATION NUMBER: US/09/410,935B
CURRENT PILING DATE: 1999-10-04
PRIOR FILING DATE: 1998-11-05
PRIOR FILING DATE: 1998-11-06
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Gene specific primer 1 for Gos-2
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77.1%; Score 16.2; DB 4;
Best Local Similarity 85.7%; Pred. No. 3.9e+02;
Matches 18; Conservative 0; Mismatches 3;
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US-09-396-196G-7759/c
; Sequence 7759, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CAGCAGCAGAGTCTTCATCAT 21
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 85.7
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 3
US-09-784-403A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-410-935B-6
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LENGTH: 32
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Pred. No. 1.5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
APPLICATION NUMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-026CP(IPC-048CP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 14.8; DB 2;
Pred. No. 1.6e+03;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Allergenic Proteins and
Peptides from Dog
Dander and Uses Therefor
                                                             0; Mismatches
                                                                                                                                                                                                                                                         RESULT 8
US-08-467-603-35/C
Sequence 35, Application US/08467603
Fatent No. 5843672
GENERAL INFORMATION:
APPLICANT: Morgenstern, Jay P.
APPLICANT: Ranieczny, Andrzey
APPLICANT: Bizindaukas; Christine B.
TITLE OF INVENTION: Allargenic Proteins; TITLE OF INVENTION: Allargenic Proteins; TITLE OF INVENTION: Dander and Uses The CORRESPONDENCE ADDRESS:
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION: 514
PRIOR PELICATION DATA:
APPLICATION NUMBER: US/08/156,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: ASCII-text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 9
US-08-466-793-35/C
; Sequence 35, Application US/08466793
; Batent No. 5891716
; GENERAL INFORMATION:
                                                                                                                     20
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                                                                                                                                                                         1 GCTGCAGAGTTTTCATCA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19
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88.9%;
                              88.98;
                                                                                                                        3 GCAGCAGAGTCTTCATCA
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Best Local Similarity 88.9
Marches 16; Conservative
                                                             16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
                           Best Local Similarity
Matches 16; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
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COUNTRY: US
ZIP: 02109
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| Sequence 46, Application US/09823549 |
| Patent No. 666442 |
| Patent Invo. 664441 |
| GENERAL INPORMATION: |
| APPLICANT: McConlogue, Lisa C |
| APPLICANT: McConlogue, Theodore A. |
| APPLICANT: Hua, Tan |
| APPLICANT: NOWBER: US/09/823,549 |
| CURRENT APPLICANTON NUMBER: US/09/823,549 |
| CURRENT FILING DATE: 2001-03-30 |
| PRIOR APPLICANTON NUMBER: US 60/193,847 |
| PRIOR FILING DATE: 2000-03-30 |
| NUMBER OF SEQ ID NOS: 85 |
| SOFTWARE PATENT PATENT |
| SOFTWARE PAT
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                                                                                      /label= oligonucleotide
/note= "U7 oligonucleotide portion of synthetic
BGH gene, Figure 1."
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Fatent No. 6228151
GENERAL INFORMATION:
APPLICANT: Alexander H. Borchers
APPLICANT: Alexander H. Dobie
FILE REPERENCE: RTS-0345
CURRENT APPLICATION NUMBER: 2001-12-04
NUMBER OF SEQ ID NOS: 87
LENGTH: 20
                                                                                                                                                                                                                                / Match 73.3%; Score 15.4; DB 1; Length 45; Local Similarity 94.1%; Pred. No. 9.2e+02; nes 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 72.4%; Score 15.2; DB 4; Length 22; Best Local Similarity 85.0%; Pred. No. 1e+03; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          70.5%; Score 14.8; DB 4; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: IL-12 p40, #1 forward primer US-09-823-549-46
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-007-010-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CAGCAGCAGAGTCTTCATCA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                       LOCATION: 1..45

COTHER INFORMATION:
OTHER INFORMATION:
COTHER INFORMATION:
COTHER INFORMATION:
COT-885-689A-7
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Matches
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RESULT 11
US-09-374-671A-35/c
; Sequence 35, Application US/09374671A
; Sequence 35, Application US/09374671A
; Patent No. 6489118
; GENERAL INFORMATION:
; APPLICANT: Morgenstern, Jay P.
; Konleczny, Andrzey
; Bizindaukae, Christine B.
Brauer, Andrew W.
; TITLE OF INVENTION: Allergenic Protein and Peptides from Dog
; Dander and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

70.5%; Score 14.8; DB 2; Length 31;
Best Local Similarity 88.9%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                    SUFTWAKE: ASCLITCEACE
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/491,861A
FILING DATE: 27-OCT-1995
CLASSIFICATION NATA:
APPLICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/ACENT INFORMATION:
NAME: MAINTAGENET INFORMATION:
TELECOMMUNICATION INFORMATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATI
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REGISTRATION NUMBER: 41,710
REFERENCE/DOCKET NUMBER: IMI-026C2CNCPA
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:
ADDRESSER: Amy E. Mandragouras
STREET: 28 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER: READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/374,671A
FILING DATE: 1993-007/22
APPLICATION NUMBER: US 08/156,549
FILING DATE: 1993-007/22
APPLICATION NUMBER: US 08/156,549
FILING DATE: 1993-DEC-31
ATTORNEY/AGENT INFORMATION:
MANNEL DATE: 1992-DEC-31
ATTORNEY/AGENT INFORMATION:
MANNEL DATE: ADDRESSER: US 07/999,712
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: CDNA
US-08-491-861A-35
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APPLICANT: Kanieczny, Andrzey
APPLICANT: Bizindaukas, Christine B.
APPLICANT: Bizindaukas, Christine B.
APPLICANT: Brauer, Andrew W.
TYTLE OF INVENTION: Allergenic Proteins and Peptides from Dog TYTLE OF INVENTION: Dander and Uses Therefor NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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88.9%; Pred. No. 1.6e+03;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:

SOFTWARE: ASCII-text
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,793
FILING DATE: 06-UNN-1995
CLASSIFTCATION NUMBER: US 08/156,549
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: US 08/156,549
FILING DATE: 31-Dec-92
ATTONNEY/AGBNT INFORMATION:
NAME: MAINTAGENEY AND E.
REGISTRATION NUMBER: 36,207
FILING DATE: 31-Dec-92
ATTONNEY/AGBNT INFORMATION:
TELECOMMUNICATION NUMBER: 36,207
TELECOMMUNICATION NUMBER: MIN-026CP (IPC-048CP)
TELECOMMUNICATION INFORMATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                        APPLICANT: Bizindaukas, Christine B.
APPLICANT: Brauer, Andrew W.
TITLE OF INVENTION: Allergenic Proteins and
TITLE OF INVENTION: Deptides from Dog
TITLE OF INVENTION: Dander and Uses Therefor
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 1. STREET: LAHIVE & COCKFIELD, LLP STREET: 28 State Street CITY: Boston STATE: W?
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; Sequence 35, Application US/08491861A
Patent No. 5939283
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 AGCAGCAGAGTCTTCATC 19
                              Kanieczny, Andrzey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24 AGGAGGAGGGTCTTCATC 7
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-466-793-35
                                                                                                                                                                                                                                                                                                                                                 STREET: 60 Street CITY: Boston STATE: MA COUNTRY: USA ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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                                                                Query Match 69.5%; Score 14.6; DB 4; Length 25; Best Local Similarity 81.0%; Pred. No. 1.9e+03; Matches 17; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       69.5%; Score 14.6; DB 3; Length 44; 81.0%; Pred. No. 2.1e+03;
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Pred. No. 2.8e+03;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                GENERAL INVOKATION:
APPLICANT: Schulein, Martin
APPLICANT: Outtrup, Helle
APPLICANT: JOUGNES, Helle
APPLICANT: JOUGNES, NET Lina
APPLICANT: JOURNES, NET Lina
APPLICANT: Bjornvad, Mads Eskelund
TITLE OF INVENTION: Alkaline Xyloglucanase;
FILE REPRENCE: 5206-200-US
CURRENT APPLICATION NUMBER: US/09/110,959A
CURRENT APPLICATION NUMBER: 0822/97
PRIOR FILING DATE: 1997-07-07
PRIOR FILING DATE: 1997-07-24
PRIOR APPLICATION NUMBER: 60/054,039
PRIOR APPLICATION NUMBER: 60/054,039
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
NUMBER OF SEQ ID NOS: 14
SOUTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                           RESULT 14
US-09-110-959A-11
Equence 11, Application US/09110959A
; Patent No. 6268197
                                                                                                                                                            1 CAGCAGCAGAGTCTTCATCAT 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) OTHER INFORMATION: PCR Primer US-09-205-860-3
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Best Local Similarity 84.2%;
Matches 16; Conservative
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Best Local Similarity 81.03
Matches 17; Conservative
; ORGANISM: mus musculus
US-09-396-196G-74836
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US-09-205-860-3
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LENGTH: 20
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                                                                                                                                                                                                                                                                      Query Match 70.5%; Score 14.8; DB 4; Length 31; Best Local Similarity 88.9%; Pred. No. 1.6e+03; Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ THANG DATE: 1998-09-17
SEQ THANG DATE: 1998-09-17
LENGTH: 25
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Sequence 74836, Application US/09396196G

Sequence 74836, Application US/09396196G

PARTENT No. 6821724

GENERAL INFORMATION:

APPLICANT: Michael Mittmann

APPLICANT: David Mack

APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis

FILE REPRENCE: 3101.1

CURRENT APPLICATION NUMBER: US/09/396,196G

CURRENT FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: 60/100,678

PRIOR FILING DATE: 1998-09-17

NUMBER OF SEQ ID NOS: 127806

SOFTWARE: FREESQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                      TOPOLOGY: linear

MOLECULE TYPE: CDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-374-671A-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10991, Application US/09396196G Patent No. 6821724 GENERAL INFORMATION:
APPLICANT: Michael Mittmann
  (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 chachechegricirchachr 23
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                INFORMATION FOR SEQ ID NO: 35: SEQUENCE CHARACTERISTICS:
                                                                                    LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                      2 AGCAGCAGAGTCTTCATC 19
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Best Local Similarity 81.0%;
Matches 17; Conservative
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  TELEPHONE:
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LENGTH: 25
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Search completed: September 3, 2005, 16:22:35 Job time: 131 secs

Sequence

Sequence 42, Appl Sequence 63, Appl Sequence 69, Appl Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 17, Appl Sequence 17334, Sequence 217934, Sequence 6, Appl Sequence 6, Appl Sequence 7759, Ap Sequence 539340, Sequence 539340, Sequence 56252, Sequence 56252, Sequence 57838, Sequence 67838, Sequence 67838,

Total number

Database

Searched:

Seguence:

us-10-828-394-5.rnpb

nucleic

Run on:

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Query Match
100.0%; Score 21; DB 9; Length 21;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 21; Conservative 0; Mismatches 0; Indels
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT PILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: antisense TRPM-2 ODN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/09944326; Patent No. US20020128220A1
    TYPE: DNA ORGANISM: HUMAN
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                                                                                                           3, 2005, 15:24:25; Search time 603 Seconds (without alignments) 228.072 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*

2: /cgn2_6/ptodata/1/pubpna/USO7_NUB_PUB.seq:*

4: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*

4: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*

5: /cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*

6: /cgn2_6/ptodata/1/pubpna/USO8_NUB_PUB.seq:*

7: /cgn2_6/ptodata/1/pubpna/USO8_NUB_PUB.seq:*

8: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*

11: /cgn2_6/ptodata/1/pubpna/USO9_NUBCOMB.seq:*

12: /cgn2_6/ptodata/1/pubpna/USO9_NUBCOMB.seq:*

13: /cgn2_6/ptodata/1/pubpna/USO0_NUBCOMB.seq:*

14: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

15: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

16: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

17: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

18: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

19: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

11: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

12: /cgn2_6/ptodata/1/pubpna/USO0_PUBCOMB.seq:*

13: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

14: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

15: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

16: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

17: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

18: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

18: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

19: /cgn2_6/ptodata/1/pubpna/USO0_NUB_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO0_NUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO0
                   5.1.6
Compugen Ltd.
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US-10-080-794-4
US-10-646-391A-4
US-10-828-394-5
US-10-828-395-5
US-10-646-436-66
                                                                                                                                                                                                                                                                                                                  of hits satisfying chosen parameters:
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                   GenCore version
Copyright (c) 1993 - 2005
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Maximum Match 100%
Listing first 45 summaries
                                                                                 - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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21
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RESULT 5
US-10-828-394-5
i Sequence 5, Application US/10828394
j Sequence 5, Application Wo'10828394
j Sequence 5, Application Wo'1020040220131A1
j GENERAL INFORMATION:
j APPLICANT: Jackson, John
j APPLICANT: Springate, Christopher
j APPLICANT: Glave, Martin
j TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
j FILE REFERENCE: UBC.P-033
j CURRENT FILING DATE: 2003-04-19
j PRIOR FILING DATE: 2003-04-18
j NUMBER OF SEQ ID NOS: 23
j SOFTWARE: Patentin Version 3.2
j SEQ ID NO 5
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100.0%; Pred. No. 3.5;
tive 0; Mismatches 0;
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Best Local Similarity 100.0%;
Matches 21; Conservative 0
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Best Local Similarity 100.0
Matches 21; Conservative
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: human
US-10-646-391A-4
                                                                                                                     RESULT 4
US-10-646-391A-4
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                                                                                                                                                                                Sequence 4 Application US/0996726A

Sequence 4 Application US/0996726A

Publication No. US20030158130A1

GENERAL INFORMATION

APPLICANT: Rennie, Paul S.

APPLICANT: Rennie, Paul S.

APPLICANT: Miyake, Hideaki

APPLICANT: Miyake, Hideaki

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

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TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION CHEMO- and Radiation-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-Sensitization-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
100.0%; Score 21; DB 10; Length 21;
Best Local Similarity 100.0%; Pred. No. 3.5;
Matches 21; Conservative 0; Mismatches 0; Indels
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                         1 CAGCAGCAGAGTCTTCATCAT 21
                                                          1 CAGCAGCAGAGTCTTCATCAT 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: HUMAN
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US-09-967-726A-4
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TYPE: DNA ORGANISM: artificial
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GENERAL INFURMATION;
APPLICANT: Jansen, Markin
APPLICANT: Gleave, Markin
APPLICANT: Signaeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Gonos, Efstathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PELING DATE: 2002-09-03
PRIOR PELING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PARENTIN VERSION 3.2
IENGTH NO 66
LENGTH: 23
                                                                                  APPLICANT: Burt, Honn
APPLICANT: Burt, Burt, Honn
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC. P-032
CURRENT FILING DATE: 2004-04-19
PRIOR PLICATION NUMBER: US 60/464,159
PRIOR PLICATION NUMBER: US 60/464,160
PRIOR PLICATION NUMBER: US 60/464,160
PRIOR PLILING DATE: 2003-04-18
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Pred. No. 3.5;
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100.0%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 3.5
Matches 21; Conservative 0; Mismatches
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Publication No. US20040096882A1
GENERAL INFORMATION:
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Sequence 5, Application US/10828395
Publication No. US20040224914A1
GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
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Matches 21; Conservative
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US-10-828-395-5
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ORGANISM: human
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RESULT

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Sequence 28, Application US/10646391A

Publication No. US20040082534A1

GARDRAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TILLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REPERENCE: USC. P-0.35

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/406,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-12-02

PRIOR FILING DATE: 2002-12-02

PRIOR FILING DATE: 2002-12-02

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR PILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 28

LENGTH: 21
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PAPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 95.2%; Score 20; DB 18; Length 21; Best Local Similarity 100.0%; Pred. No. 10; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-9
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Sequence 43, Application US/10646391A
Publication No. US20040082534A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Glasse, Martin
APPLICANT: Glasse, Martin
APPLICANT: Glasse, Martin
APPLICANT: US.P.O.
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US 60/465,391A
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/419,78
PRIOR PRILING DATE: 2002-09-03
PRIOR PRILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
SPRIOR FILING DATE: 2003-09-03
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APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
TILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT PILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PALENTIN VETSION 3.2
SECTION OF TROUGH OF 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
90.5%; Score 19; DB 18; Length 19;
Best Local Similarity 73.7%; Pred. No. 31;
Matches 14; Conservative 5; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: RNAi fo rhuman clusterin
US-10-646-391A-43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GCAGCAGAGTCTTCATCAT 21
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ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: artificial
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US-10-956-157-236817/c
US-10-956-157-236817/c
Squence 236817, Application US/10956157
Squence 236817, Application US/10956157
Squence 236817, Application US/10956157
Squence 236817, Application US/10956157
GENERAL INFORMATION:
Squence 236817
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR PEDICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
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CRGANISM: artificial
FEATURE:
FORTURE:
COTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 95.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 11; Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 AGCAGCAGAGTCTTCATCAT 21
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                                                         20 AGCAGCAGAGTCTTCATCAT 1
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US-10-956-157-236817
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RESULT 12 US-10-646-391A-43

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19 GCAGCAGAGTCTTCATCAT 1

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90.5%; Score 19; DB 18; Length 21;

Query Match

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Best Local Similarity 73.7%; Pred. No. 31;
Matches 14; Conservative 5; Mismatches 0; Indels 0; Gaps Qy 3 GCAGCAGAGTCTTCATCAT 21

Qy 3 GCAGCAGAGTCTTCATCAT 21

Db 1 GCAGCAGAGTCTTCATCAT 19

Search completed: September 3, 2005, 16:32:54

Job time: 609 secs
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AR146235 Sequence
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CQ867640 Sequence
AR291280 Sequence
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          CQ786613 Sequence
AX18356 Sequence
AX070079 Sequence
AX670795 Sequence
AX67095 Sequence
AX6303 Sequence
BD186389 Peptides
A08490 oligonucleo
A12509 fragment of
A12570 fragment of
A12570 fragment of
AR227110 Sequence
AX697095 Sequence
AX627115 Sequence
AX22112 Sequence
AX627095 Sequence
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Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 4 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin
Location/Qualifiers
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Pred. No. 49;
Mismatches 0; Indels
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Seguence 4 from Patent WO2004018675.
CQ786615

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AX268965
CQ786613
AX118356
AR070079
AR258163
AX670795
A76303
BD186389
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A10550
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AR221110
AR697095
AR697095
AR697096
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CQ786178.1 GI:45721281
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1 Similarity 100.0%;
21; Conservative 0;
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 Homo sapiens
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Matches 21
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VERSION
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AUTHORS
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CQ786178 Sequence
CQ786129 Sequence
CQ786179 Sequence
CQ786180 Sequence
CQ78653 Sequence
CQ78654 Sequence
CQ78654 Sequence
CQ786112 Sequence
AR374192 Sequence
AR374120 Sequence
AR374120 Sequence
AR374130 Sequence
                                                                                              3, 2005, 14:43:21; Search time 1859 Seconds (without alignments) 547.369 Million cell updates/sec
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             5.1.6
Compugen Ltd.
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Copyright (c) 1993 - 2005
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gb_rc:*
gb_sts:*
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seq length: 50
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Maximum DB
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PAT 24-MAR-2004

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Ratent: WO 2004018676-A 67 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 0;
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                                             Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Matches 20; Conservative 0; Mismatches 0; Indels
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Patent: WO 2004018676-A 9 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                  Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 66 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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Sequence 28 from Patent WO2004018675.
CQ786639
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synthetic construct
other sequences; artificial sequences.
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Sequence 9 from Patent WO2004018676.
CQ786121
                                                                                                                                                                 1. .23
/organism="Homo sapiens"
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                                                                           Gonos, E.
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Treatment of melanoma by reduction in clusterin levels

Patent: WO 2004018675-A 29 04-MAR-2004;

The University of British Columbia (CA); Gleave, Martin E.

Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 10 04-MAR-2004;
The University of British Columbia (CA)
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="RNAi for human clusterin"
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/b xref="taxon:32630"
/noFe="RNA! for human clusterin"
               CQ786122 21 bp DNA
Sequence 10 from Patent W02004018676.
CQ786122 QT86122.1 GI:45721225
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Sequence 15 from patent US 6605280.
AR374192
AR374192.1 GI:40076792
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Patent: WO 2004018675-A 43 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018675-A 42 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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 Pred. No. 4.5e+02; Mismatches 0;
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/mol type="unassigned RNA"
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Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 0;
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/mol_type="unassigned RNA"
/db xref="taxon:32630"
/note="RNA1 for human clusterin"
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Sequence 43 from Patent WO2004018675.
CQ786654
CQ786654.1 GI:45721674
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Sequence 42 from Patent WO2004018675.
CQ786653
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synthetic construct
other sequences; artificial sequences.
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PI TAKIGUCHI HIROSHI, FURUKAWA HIDEHIKO, TANI TOKIO PC C12N9/66, A61K35/74, A61K37/54, C12N15/00//C07H21/04, (C12N9/66, PC C12N115), PC (C12N15/00, C12R1:19); PC (C12N15/00, C12R1:19); CC strandedness: Double; CC topology: Linear; CC hypothetical: No; CC hypothetical: No; CC hypothetical: No; CC cycles of the constant of the
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DNA sequence coding for human pancreas-2 signal peptide.
E01067
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Takiguchi; H., Furukawa, H. and Tani, T.
PRODUCTION OF PANCREAS ELASTASE
PARACHE: JP 1987000276-A 9 06-JAN-1987;
SANKYO CO LID NIPPON SODA CO LID, NISSAN CHEM IND LTD, TOYO SODA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="unnamed protein product"
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                                                                                                                                                                                    DNA
                                                                                                                                                                                                                                                                                                                                                                                                                  DNA CODING FOR APHRODISIN
Patent: WO 9319173-A 7 30-SEP-1993;
FORSSMANN WOLF GEORG (DE)
LOCATION/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="unassigned DNA"
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    .48
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                                                                                                                                                                               A76301 48 bp
Sequence 7 from Patent WO9319173
                                                      3 CAGCACCAGAGTCCTCAGCAT 23
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                   CAGCAGCAGAGTCTTCATCAT 21
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JP 1987000276-A/9.
Homo sapiens (human)
                                                                                                                                                                                                                                                      A76301.1 GI:6088388
                                                                                                                                                                                                                                                                                                                                                  unclassified.
1 (bases 1 to 48)
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E01067/c
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Unclassified.

1 (bases 1 to 50)

Novick,D., Dinarello,C., Rubinstein,M. and Kim,S.H.
Interleukin-18 binding proteins, their preparation and use for blocking the activity of IL-18
Patent: US 6655280-A 15 12-AUG-2003;
Location/Qualifiers
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84.8%; Score 17.8; DB 6; Length 50;
Best Local Similarity 90.5%; Pred. No. 1.6e+03;
Matches 19; Conservative 0; Mismatches 2; Indels
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Pred. No. 9.6e+03;
0; Mismatches 3; Indels
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Unknown.
Unclassified.
1 (bases 1 to 32)
S Barbour,E, Meyer,T.E.C. and Saad,M.E.
Maize Gos-2 promoters
AL Patent: US 6504083-A 6 07-JAN-2003;
Location/Qualifiers
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Barbour, E., Meyer, T.E.C. and Saad, M.E.
Maize promoters
Patent: US 6670467-A 6 30-DEC-2003;
Location/Qualifiers
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Sequence 6 from patent US 6670467.
AR444937
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32 bp
Sequence 6 from patent US 6504083.
AR274120
AR274120.1 GI:29706097
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Matches 18; Conserv
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AR444937
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AUTHORS
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Gaps

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Location/Qualifiers
1. .48
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Location/Qualifiers
                             sig_peptide
  Key
  HHH
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Search completed: September 3, 2005, 15:29:38 Job time: 1864 secs

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Add29045 Oligonucl Add60863 Hexapetcol Aad62195 Human hae Aad94224 Murine te Aca94223 Murine te Acf36395 TRPM-2 an Acf36395 TRPM-2 an Acf36396 Human TRP Adm83066 Human TRP Adm83066 Human TRP Adm83067 Human TRP Adm170404 Antieense Aax1445 SVE prime Aax69975 5' Sense in Abx49118 Human tra Abx49184 Plasmolem Abx69555 Rat phosp Abx69555 Rat phosp Adh64379 Human glu Adh63983 Human glu Adh63983 Human glu Adh6398 Human glu

Scoring table:

Searched:

Title: Perfect score:

Sequence:

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OM nucleic

Run on:

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The present sequence is an antisense oligonucleotide directed at the human testostezone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                                                                                                                                                                                                                                                                                    Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                      Human testosterone-repressed prostate message-2 antisense oligo #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nelson C;
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                       AAA94224
AAA94223
ACF36395
ACF36396
ADM83067
ADM83066
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ADH63983
                                                                              AAH40683
AAZ12445
AAQ69972
ABK61345
ABK69118
AAH79384
AAH79384
AAX10857
ABZ77331
AAZ31857
ABK69555
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AAA37208
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page 36; 38pp; English.
                                                                                                                                                                                                                                                                     BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                               25-FEB-2000; 2000WO-US004875.
                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0121726P.
AAA94226 standard; DNA; 21
                                                                                                                                                                                                                                                                                                     (first entry)
Gleave M, Rennie PS,
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WO200049937-A2.
                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
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AAA94226;
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AdM83069 Human TRP
Ad170406 Antisense
Ad170464 RNAi for
Ad170430 RNAi for
Ad170523 RNAi for
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                                                       0 ; Search time 430 Seconds (without alignments) 289.104 Million cell updates/sec
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                                                                                                                                                                  4167226
       5.1.6
Compugen Ltd.
                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                  4390206 segs, 2959870667 residues
       GenCore version (c) 1993 - 2005
                                                        September 3, 2005, 12:59:00
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                                        nucleic search, using sw model
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ACR36398
ADM830398
ADL70406
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Match Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                            TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                     Gaps
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                             DB 3; Length 21;
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     BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                              Score 21; DB 3
Pred. No. 8.2;
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100.0%; Pred. No. c...
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                                                                                                                                                                                                                                                       IRPM-2 antisense oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                           BP.
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                                                                                                                                                                           ACF36398 standard; DNA; 21
                                                                                                                                                                                                                               (first entry)
                                            Best Local Similarity 100.
Matches 21; Conservative
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        Sequence 21
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                                  Query Match
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TREM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM-2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                        Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zellweger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nelson C,
                                                                                                                                                                                                                                                                                     Human TRPM-2 antisense oligonucleotide #4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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CAGCAGCAGAGTCTTCATCAT
                                                                                                                                             BP.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                           (first entry)
                                                                                                                                             ADM83069 standard; DNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GLEAVE M.
RENNIE P S.
MIYAKE H.
NELSON C.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                               antisense; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
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                                                                                                     RESULT 3
                                                                                                                         ADM83069
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21; Conservative

Matches

Query Match Best Local Similarity

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e.g. they may be employed as phosphorothioate derivatives and may have 2.

e.g. they may be employed as phosphorothioate derivatives and may have 2.

e.g. they may be employed as phosphorothioate derivatives and may have 2.

present antisense oligonucleotide is particularly preferred. It is targeted to the translation initiation codon and next 6 codons of the tunnan clusterin sequence. It has a phosphorothioate backbone throughout and MOE wings, the remaining nucleotides being 2' decorpuncleotides. In an example from the invention, this antisense oligonucleotide provided a deadendent down-regulation of clusterin in human melanoma cells, leading to an increase in apoptotic cell death. In one melanoma cells, leading to an increase in apoptotic cell death. In one melanoma cell line (607B) this alone was sufficient to lead to complete cell death. In
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70401 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                            Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   another melanoma cell line, the surviving cells showed increased
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/mod_base= OTHER
/note= "OTHER= 2'O-methoxyethyl modifications"
18. .21
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/mod_base= OTHER
/note= "OTHER= 2'O-methoxyethyl modifications"
                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "OTHER= phosphorothioate nucleotides"
                                                                                                                                                                      Antisense oligonucleotide to human clusterin.
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                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                      ADL70406 standard; DNA; 21 BP.
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2002US-0408152P.
2002US-0319748P.
2003US-0472387P.
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03-SEP-2002;
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                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                            ADL70406;
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sensitivity to subsequent treatment with cisplatin. A claimed method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                             Sequence 21 BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                            100.0%; Score 21; DB 1
100.0%; Pred. No. 8.2;
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL70521 standard; cDNA; 23
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                                                                                                                                                                                                                                                                                                                                                                                                                  21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                Query Match
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADD/0404-ADD/0421 or short interfering RNA (siRNA) ADD/0422-ADD/04425 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                          Human; clusterin; RNAi; melanoma; cytostatic; gene silencing; short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                   DB 12; Length 21; 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 5 A; 4 C; 5 G; 2 T; 5 U; 0 Other;
        Sequence 21 BP; 5 A; 4 C; 5 G; 2 T; 5 U; 0 Other;
                                    95.2%; Score 20; DB ilarity 100.0%; Pred. No. 23; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
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/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                 2 AGCAGCAGAGTCTTCATCAT 21
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2003; 2003WO-CA001276.
                                                                                                                                                                                                          ADL70430 standard; RNA; 21
                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                  RNAi for human clusterin.
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                         Query Match
Best Local Similarity
Local 20; Conserve
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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                                                                                                                                                                                                                                          ADL70430;
                                                                                                                                                                                             ADL70430/c
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                                                                                                                                                                                RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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                                                                                         Gaps
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                                                            DB 12; Length 23;
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                                Sequence 23 BP; 5 A; 5 C; 7 G; 6 T; 0 U; 0 Other;
                                                                           8.3;
                                                                                            Mismatches
                                                            Score 21;
Pred. No. 8
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100.0%; Pre
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/mod_base= OTHER
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                21-AUG-2003; 2003WO-CA001277.
                                                                 Query Match
Best Local Similarity 100.
Matches 21; Conservative
    of Alzheimer's disease.
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Sequence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL/0521 of human clusterin cDNA. The antisense strand is also provided ADL/0523. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Is invostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, or anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present of Alzheimer's disease. In an example from the invention, the present strand used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
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                                                                                                                                                                                                                                                                                                                                RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
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95.2%; Score 20; DB 12; Length 21; 100.0%; Pred. No. 23; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 4; SEQ ID NO 67; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                    2 AGCAGCAGAGTCTTCATCAT 21
                                                                                             20 AGCAGCAGAGTCTTCATCAT 1
                                                                                                                                                                                           BP
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                          ADL70522/c
ID ADL70522 standard; RNA; 19
                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                               RNAi for human clusterin.
                 Local Similarity 100.
nes 20; Conservative
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modified_base
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Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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   Query Match
                     Best Loc
Matches
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADI/0521 of human clusterin cDNA. The sense strand is also provided ADI/0522. The siRNA can be used to interfere with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotain-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to critical for neuritic toxicity in mouse models of Alzheimer's disease. Singhas of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, brader cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3
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                                                                                                                                                                                                                                                                                                                                           RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                     Gaps
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DB 12; Length 19;
64;
                                     0; Indels
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Query Match 90.5%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 64; Matches 19; Conservative 0; Mismatches
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/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                       3 GCAGCAGAGTCTTCATCAT 21
                                                                                           19 GCAGCAGAGTCTTCATCAT 1
                                                                                                                                                                                                   ADL70523 standard; RNA; 19 BP.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                        (first entry)
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modified_base
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Gonos ES;
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Homo sapiens.
Synthetic.
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prostate cancer cells. A reduction in clusterin transcript was observed.
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                                                            Gaps
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                                                                                                                                                                                                                                   RNA; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
                                       DB 12; Length 19
                                                           Indels
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0
                   G; 0 T; 5 U; 0 Other;
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                                                           5; Mismatches
                                                 64;
                                    / Match 90.5%; Score 19; Local Similarity 73.7%; Pred. No. 6 ne 14; Conservative 5; Mismatch
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                                                                                                                                                                                                                                                                                               location/Qualifiers
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/note= "OTHER= TT"
                                                                                          3 GCAGCAGAGTCTTCATCAT 21
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2002US-0408152P.
2002US-0319748P.
2003US-0472387P.
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                   Sequence 19 BP; 5 A; 5 C; 4
                                                                                                                                                  ADL70444 standard; RNA; 19
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                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                   Human; clusterin;
short interfering
                                                                                                                                                                                                                                                                                                                                                          WO2004018675-A1
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modified_base
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03-SEP-2002; 2
02-DEC-2002; 2
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Synthetic.
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                                        Query Match
                                                 Best Loca
Matches
                                                                                                                                          ADL70444/c
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 magnet of clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing collusterin of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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                                                    Gaps
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  DB 12; Length 19;
64;
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No. 64;
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Score 19; DB 1
Pred. No. 64;
0; Mismatches
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18. .19
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Pred.
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/note= "OTHER= TT"
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100.08; Pre
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-031748P.
20-MAY-2003; 2003US-0472387P.
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73.7%;
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Query Match
Best Local Similarity 100.
Matches 19; Conservative
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(GLEA/) GLEAVE M E.
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Best Local Similarity
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short interfering
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modified_base
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Human, clusterin, RNAi, melanoma, cytostatic, gene silencing,
short interfering RNA, siRNA, DNA-RNA hybrid, 88.
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20. .21
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/note= "OTHER= TT"
                 GCAGCAGAGTCTTCATCAT 21
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03-SEP-2002; 2002US-0408152P.
02-DEP-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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modified_base
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Synthetic.
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                                                                                                  RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                               RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
     Gaps
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 Mismatches
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/mod_base= OTHER
                                  3 GCAGCAGAGTCTTCATCAT 21
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                ADL70465 standard; RNA; 21
                                                                                                                                                                                                              (first entry)
 14; Conservative
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Matches 14; Conserv
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modified_base
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8XCCCCCCCCCCCCXXX44444X8X411X8X8X4X6X64444444X8X8X4X6X

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21 BP; 5 A; 5 C; 4 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                           Claim 20; SEQ ID NO 29; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GCAGCAGAGTCTTCATCAT 21
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0; Indels

5; Mismatches

Conservative

(first entry)

03-JUN-2004

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1 CAGCAGCAGAGTCTTCATCAT 21
                                                                                                                                      ADM83080 standard; DNA; 21 BP.
           18-DEC-2003
                                    04-SEP-2003
                                                      Gleave M,
                           Synthetic.
                                                                                                                                                        ADM83080;
      ACF36409;
                                                                                                                                               RESULT 15
                                                                                                                                                 ADM83080
ACF36409
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Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                         Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; ss.
                                                       Control TRPM-2 mismatch oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 15; 14pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                        28-SEP-2001; 2001US-00967726.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GLEAVE M.
RENNIE P S.
MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NELSON C.
ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                  US2003158130-A1
                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                             21-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GLEA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MIYA/)
(NELS/)
(ZELL/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a compound consisting of an oligonuclectide with a phosphorothicate backbone throughout, in which: (a) sugars on nuclectide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nuclectides 5-17 are 2'-deoxy; and (b) the cytosines at constitutions 1, 4 and 19 are 5-methylated. Oligonuclectide shown in sequence constants (a) to delay progression of androgen sensitive prostatic cancer cells to the androgen-independent state, in vivo in vitro; (b) to treat prostatic cancer (after initially withdrawing candrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of TREM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and result in a symergistic increase activity (both in vivo or in vitro) and result in a symergistic increase in effect when (1) is used with consisting the context of chemotherapeutic agents or context of the context of the context of chemotherapeutic agents or context of the context of the context of the context of chemotherapeutic agents or context of the con
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                              TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              against other antiapoptotic genes. The present sequence represents a mismatch control oigonucleotide, used in antisense assays of anti-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      apoptotic protein TRPM-2 (testosterone-repressed prostate message-2)
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84.8%; Score 17.8; DB 10; Length 21;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                  DNA sequence of a TRPM-2 mismatch control oigonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Monia BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 13; Page 20; 44pp; English.
         GCAGCAGAGUCUUCAUCAU 19
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                                                                                                                                                                    ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-FEB-2002; 2002US-00080794.
                                                                                                                                                                       ACF36409 standard; DNA; 21
                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rennie PS,
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Zellweger T;

Nelson C,

Miyake H,

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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (FCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismatch oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                             Score 17.8; DB 11; Length 21;
Pred. No. 2.3e+02;
0; Mismatches 2; Indels (
                                                                                                                                                                                                                                                                                                        Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                               exemplification of the invention.
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                                                                                                                                                                                                                                                                                                                                                                          84.8%;
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Best Local Similarity 90.5
Matches 19; Conservative
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Job time : 435 secs
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Gaps

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mp37b05.r mb35b02.r vx88f02.r AU104442

Reverse s 1M0005M08 1M0037N24 mq70g12.r 602958318 Pan trogl Arabidops

AA109083 n AA862036 n AA864073 v AU104442 b CR155807 F CR155807 F AZ318599 AZ318599 AA116347 n BIZ46596 AG201385 E

BX285461 Arabidops BH910804 SALK 0626 CG74406 1123018G0 BZ5862 3590 1.16 CA964065 CCLL02a07 H92446 Yt89bb9.r1 T74174 yc60b12.81 AZ772648 1M0583N12

OM nucleic

Run on:

Sequence:

Searched:

Database

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Result

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46 bp mRNA linear EST 14-APR-1998 ob80e11.81 NCI CGAP CO8 Homo sapiens cDNA clone IMAGE:1473356 3' similar to TR:Q15347 Q15347 RAGA. [1] ;, mRNA sequence. AA916352.1 GI:3055744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
Email: cgapbe-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue type="atingographs" / tissue type="atingographs" / lab_host="bH108" / lab_host="bH108" / clone lib="NCI CGAP_CO8" / vector: pT7T3D-Pac (Pharmacia) with a notified polylinker; lst strand cDNA was prepared from colon adenocarcinoma, and was then primed with a Not I - oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized. Library was constructed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

1. (bases 1 to 46)

National http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Trace considered overall poor quality
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
/clone="IMAGE:1473356"
                AJSB7667
AZ610505
AAC52336
AAO52336
AAB64073
AU104442
AU105899
AZ318599
AZ31859
AZ
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AUTHORS
TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VERSION
KEYWORDS
SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOURNAL
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AU107924
AU107925
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wh61d04.x
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AU107929
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AU105972
                                                                                                                                      (without alignments)
264.073 Million cell updates/sec
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                                                                                                                    September 3, 2005, 14:58:36; Search time 3027 Seconds
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CC794149

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BH90888

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AU105969

AU105967

AU105968
                 GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                           34239544 segs, 19032134700 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Maximum Match 100%
Listing first 45 summaries
                                                                                    - nucleic search, using sw model
                                                                                                                                                                                                                          cagcagcagagtcttcatcat 21
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CC794149
CG869035
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AI766391
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CB213634
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BH908888
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Gapop 10.0 , Gapext 1.0
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21
1 cagcagcagagtett
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9b_htc::
9b_est2::
9b_est3::
9b_est4::
9b_est6::
9b_gs81::
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Match Length
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4407041680005644445550556
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Maximum DB seq length: 50
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13.6
13.6
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1 (bases 1 to 50)
3 Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R.,
3 Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R.,
3 Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L.,
8 Alonso, J.M., Leisse, T.J., and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
Arabidopsis Genome
Aubidopsis Genome
Aubidopsis Genome
Aubidopsis Genome
Arabidopsis Genome
Arabidopsis Genome
Alongolus Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 M.752
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SALK 043910.30.25.x Arabidopsis thaliana TDNA insertion lines Arabidopsis clone SALK_043910.30.25.x, genomic Arabidopsis thaliana genomic clone SALK_043910.30.25.x, genomic
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/db xrefe="caron:3702"
/clone="Shkk 087727"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/clone lib="Arabidopsis thaliana lines ach of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots; rosids, eurosids II; Brassicales, Brassicaceae, Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This is single pass sequence recovered from the left border of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14; DB 8; Length 50;
Pred. No. 9.8e+04;
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/mol_type="genomic DNA"
/ecotype="Col-0"
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100.0%; Pred. No. ...
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Location/Qualifiers
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//dev_stage="19" weeks"
//dev_stage="19" weeks"
//dev_stage="19" (ampicillin resistant)"
//clone_lib="Soares (atal_heart_NbHH19W"
//clone_lib="Soares (atal_heart_NbHH19W")
//clone_lib="Soares (atal_heart_NbH19W")
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Fax: 314 286 1810
Fmail: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
Thace considered overall poor quality
Trace considered overall poor quality
Insert Length: 596 Std Brror: 0.00
Seq primer: mob. REGA+ET
High quality sequence stop: 1.
High quality sequence stop: 1.
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ZC64e08.rl Soares fetal heart NDHH19W Homo sapiens cDNA clone
IMAGE:327110 5' sīmilar to gb.X15183_cds1 HEAT SHOCK PROTEIN HSP
90-ALPHA (HUMAN);, mRNA sequence.
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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Bukaryota, Metazoa, Chordata, Catarrhini, Hominidae, Homo.
I (bases I to 44)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
Wilson,R.
                                                                                                                                                               Gaps
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                                                                                                    Length 46;
                                                                                             Score 14.8; DB 1; Length 4
Pred. No. 4.2e+04;
0; Mismatches 2; Indels
Bento Soares and M. Fatima Bonaldo.
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/mol_type="mRNA"
/db_xref="GDB:1261312"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  clone="IMAGE:327110"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The WashU-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
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                                                                                                    70.5%;
llarity 88.9%;
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Matches 17; Conservative
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nes 16; Conserv
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                                                                    Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., dadatinab, C., Jeske, A., Karnes, M., Kin, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone="SALK 041910.30.25.x"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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Sanger Intitute Gene Trap Resource - SIGTR.
http://www.sanger.ac.uk/PostGenomics/genetrap/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Sanger Institute Gene Trap Resource - SIGTR
Wellcome Trust Sanger Institute
Email: info.genetragesanger.ac.uk
Sequence tag generated by 5' RACE of total RNA from gene trap ES
cell line. ES cell lines harboring insertion mutation of target
gene are available upon request from Sanger Institute Gene Trap
Resource. Annotation information available from
                                                                                                                                                                                                                                                                                                                                                          This is single pass sequence recovered from the left border of TDNA.
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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                                                                                                                                                         Arabidopsis Genome
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGNAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Fax: 858 558 6379
Email: ecker@ealk.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64.8%; Score 13.6; DB 9; Length 42;
80.0%; Pred. No. 1.5e+05;
live 0; Mismatches 4; Indels
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Class: Gene Trap.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="genomic_DNA"
/ecotype="Col-0"
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2M0061105R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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                                                                                      /cell_type="Embryonic Stem Cell"
/clone_lib="Sanger Institute Gene Trap Library pGT0lxr"
/note="Vector: pGT0lxr"
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Pred. No. 1.8e+05;
0; Mismatches 1;
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0061 row: I column: 05
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 21.
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/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/sex="Male"
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/clone="UUGC2M0061105"
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Mus musculus
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1 Similarity 93.3%;
14; Conservative
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Homo sapiens (human)
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Unpublished (1997)
                                                                                                         mRNA sequence.
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Best Local Similarity
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inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into adaptored chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 41)
Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R.,
Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L.,
A Sequence-Indexed Library of Insertion Mutations in the
Arabidopsis Genome
Unpublished (2001)
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/clone=15ht. 051042.25.80.x"
/clone=1th="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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Fax: 958 558 6379
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Pred. No. 2.7e+05;
0; Mismatches 5; Indels
                                                                                                                                                                    61.9%; Score 13; DB 8; Length 21;
llarity 76.2%; Pred. No. 2.5e+05;
Conservative 0; Mismatches 5; Indels
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/organism="Arabidopsis thaliana"
/mol type="genomic DNA"
/ecotype="Col-0"
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76.2%;
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Best Local Similarity 76.2
Matches 16; Conservative
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BH908888
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Matches 1
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/tissue='rrwans.inessyl".
/tissue_type="carcinoid"
/lab host="DHIOB"
/lab host="DHIOB"
/clone_lib="NCI_CGAP_LUS"
/clone=lorgan: lung; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; lst strand cDNA was prepared from modified polylinker; lst strand cDNA was then primed with a neuroendocrine lung carcinoid, and was then primed with a neuroendocrine lung carcinoid, and was then primed with a not I - oligo(dT) primer. Double-stranded cDNA was ligated to Deco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and BCO RI sites of the modified pT7T3 vector. Library is normalized. Library was constructed by Bento Soares and M. Fatima Bonaldo."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
Email: GapDs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
Clone distribution: NGL-GAP clone distribution information can be found through the I.M.A.G.E., Consortium/LLNL at:
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AA973632 43 bp mRNA linear EST 17-JUN-1990
co48b04.s1 NCI CGAP LuS Homo sapiens cDNA clone IMAGE:1569391 3'
similar to SW:XPE_CERAE P33194 POSSIBLE DNA-REPAIR PROTEIN XP-E ;,
                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi; Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo. I (bases 1 to 43). NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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/db_xref="taxon:9606"
/clone="IMAGE:1569391"
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Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Batil: Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo.Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yauzuki@ima.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugamo,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
149-156 (1997)
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1 (bases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Bakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
                                                                                          Suzuki,Y., Taira,H., Teunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Stakki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO. Rep. 2 (5), 388-393 (2001)
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/clone="HRC02185"
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Location/Qualifiers
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Matches 14; Conserv
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Strizhov, N., Rosso, M.G., Li, Y. and Weisshaar, B..

Direct Submission

Direct Submission

Suchtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany
This sequence has been recovered from the left border of the T-DNA.

It indicates an insertion close to or within gene At1g34110.

Details on the protocools used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project.

GABI-Kat is part of the German Plant Genomics program designated 'GABI-Kat upicated on line availability can be found at:

http://www.mpiz-koeln.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                            An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for flanking sequence tag-based reverse genetics Plant Mol. Biol. 53 (1-2), 247-259 (2003)
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                                             Li,Y., Rosso,M.G., Strizhov,N., Viehoever,P. and Weisshaar,B. GABJ-Kat SimpleSearch: a flanking sequence tag (FST) database for the identification of T-DNA insertion mutants in Arabidopsis thaliana Bioinformatics 19 (11), 1441-1442 (2003)
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AU107924 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
AU107054, mRNA sequence.
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/strain="Columbia 0"
/db_xref="taxon:3702"
/clone="GK-311H09-015792"
/clone=lib="Arabidopsis thaliana T-DNA insertion lines"
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Weisshaar,B.
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osids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Weisshaar,B.
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Best Local Similarity 76.2'
Matches 16; Conservative
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An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for Flanking sequence tag-based reverse genetics Plant Mol. Biol. 53 (1-2), 247-259 (2003)
                                                                                                                                                                                                                          Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Bazuki, Mirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yeuzuki@ims.u-tokyo.ac.jp Maruyama,K., Suyama,A. and
Suzuki,Y., Yoshitokomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Arabidopsis thaliana T-DNA flanking sequence GK-204B10-014508,
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Arabidopsis thaliana
Bukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
Suzuki,Y., Taira,H., Teunoda,T., Mizushima-Sugano,J., Sese,J.,
Bakai,Y., Ota,T., Isogai,T., Tanakar,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
mapping of mRNA start sites
ENBO Rep. 2 (5), 388-393 (2001)
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High-throughput generation of sequence indexes from T-DNA untagenized Arabidopsis thaliana lines
BioTechniques 35 (6), 1164-1168 (2003)
14682050
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/clone_lib="Sugano Homo sapiens cDNA library"
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Best Local Similarity 87.5%; Pred. No. 3.5e+05;
Matches 14; Conservative 0; Mismatches 2;
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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AU107929 GI GI:13557451
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Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitokomo.Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
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Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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/clone_lib="Sugano Homo sapiens cDNA library"
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llarity 87.5%; Pred. No. 3.5e+05;
Conservative 0; Mismatches 2; Indels
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61.0%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.5e+05;
Matches 14; Conservative 0; Mismatches 2;
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/organism="Homo sapiens"
                             'db xref="taxon:9606"
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                                                                                                      Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence has been recovered from the left border of the T-DNA. It indicates an insertion within the locus defined by BAC clone t10j7. Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the project. GABI-Kat is part of the German Plant Genomics program designated 'GABI- Information on line availability can be found at: http://www.mpiz-koeln.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   foote="PCR was performed on DNA from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from vector pAC161 (GenBank accession number: AJ537514). The fines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequence to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed."
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CDNA Library Arrayed by: Greg Lennon, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing By: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
cound through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
1 (basea 1 to 43)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone="GK-204B10-014508"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
                                                                                Submitted (31-MAR-2004) Weisshaar B., Max-Planck-Institut fuer
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                           Strizhov, N., Rosso, M.G., Li, Y. and Weisshaar, B. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                        organism="Arabidopsis thaliana"
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Insert Length: 641 Std Brror: 0.00
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/strain="Columbia 0"
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/clone_lib="NCI_CGAP_Kid11"
/note="Organ: Kidney; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP Kid3 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from a pool of 5,000 clones made from the same library (cloneIDs 132276-1323911, 1456007-1456775, and Farima Bonaldo. "Butraction by Bento Soares and M. Fatima Bonaldo."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60.0%; Score 12.6; DB 1; Length 43; 78.9%; Pred. No. 4.2e+05;
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                                                                                                                                                  /clone="IMAGE:2385223"
/lab host="DH108"
                                                                                      /mol_type="mRNA"
/db_xref="taxon:9606"
Location/Qualifiers
                                                            /ordanism="Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fatima Bonaldo
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(OTARU) ANALA ZUP. " WATT

| Sequence 31, App<br>Sequence 32, App<br>Sequence 34, App<br>Sequence 34, App<br>Sequence 35, App<br>Sequence 37, App<br>Sequence 37, App<br>Sequence 37, App<br>Sequence 38, App     | . 4 4 4 4 4 4 4 4   | 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0      | 59,   | 61,<br>62,<br>63,                                  | 65,<br>67,<br>68,                            | 72,  | 75,<br>78,<br>80,<br>13,  | 10,<br>4, 7  | 43,<br>37,<br>97,  | 97,   | 535,   | 8666<br>280,   | 280,  | 953,<br>536,  | 536,<br>7, A   | 8352<br>8353<br>8665<br>8665   |
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| 1 US-09-659-791A-31<br>1 US-09-659-791A-32<br>1 US-09-659-791A-34<br>1 US-09-659-791A-34<br>1 US-09-659-791A-35<br>1 US-09-659-791A-36<br>1 US-09-659-791A-37<br>1 US-09-659-791A-38 | 9-60-80<br>9-60-80<br>9-60-80<br>89-60-80<br>89-60-80<br>89-60-80 | 89-60-80<br>89-60-80<br>89-60-80<br>89-60-80 | 59-60-SN<br>59-60-SN  | 20-50-50<br>08-09-65<br>08-09-65<br>08-09-65       | 03-06-65<br>US-09-65<br>US-09-65<br>CS-60-SN | 29-60-SU<br>39-60-SU<br>59-60-SU<br>59-60-SU   | US-09-65<br>US-09-65<br>US-09-65<br>US-09-45  | US-08-85<br>US-08-41<br>US-09-65<br>US-08-39   | US-08-65<br>US-10-02<br>US-08-25   | US-09-03<br>US-09-37  | US-08-17<br>US-08-39   | US-08-86<br>US-09-86<br>US-08-10   | US-08-70<br>US-08-45  | US-08-75<br>US-08-39  | US-08-435-634-536<br>US-09-282-146-7   | 98-60-SD<br>98-60-SD<br>98-60-SD   |
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| Ltd.  Lime 4 Seconds  ignments)  | 9 6   | 396  |   | chance to have a result being printed, stribution. | Description                                  |  | Sequence 748, App<br>Sequence 748, App<br>Sequence 5, App<br>Sequence 5, Appli<br>Sequence 31760, A |  |  |   |  |  | 41 41   | ψ ψ   | 00   | Sequence 27, Appl<br>Sequence 28, Appl<br>Sequence 29, Appl<br>Sequence 30, Appl   |
| ,<br>,   | taaaaactgtcttgtgagctg 16  | sfying chosen parameters: 39                 | Minimum Match 0%<br>Maximum Match 100%<br>Listing first 198 summaries | a  | <b>~</b> −1                                  | 26 1 US-08-859-998-747 Sequence 26 1 US-09-225-928-747 Sequence 26 1 US-09-225-201B-747 Sequence 25 1 IS-08-859-960-748 Sequence |   | 21 1 US-08-410-540-21 Sequence 31 1 US-09-659-791A-6 Sequence 21 1 US-09-659-7490-14 Sequence 21 US-09-657-472-2421 Sequence 3 | 21 1 US-09-657-472-2422 Sequence<br>21 1 US-09-657-472-2423 Sequence<br>21 1 US-09-657-472-2424 Sequence | 25 1 US-09-396-196G-31758 Sequence 20 1 US-09-659-731A-14 Sequence 20 1 US-09-659-731A-14 Sequence 20 1 US-09-659-731A-14 | 20 1 US-09-659-791A-16 Sequence<br>20 1 US-09-659-791A-17 Sequence | 20 1 US-09-659-791A-18 Sequence 20 1 US-09-659-791A-19 Sequence 20 1 US-09-659-791A-20 Sequence 20 1 US-09-659-791A-20 | 20 1 US-09-659-791A-21 Sequence 20 1 US-09-659-791A-22 Sequence 3 | 20 1 US-09-659-791A-23 Sequence 20 1 US-09-659-791A-24 Sequence | 20 1 US-09-659-791A-25 Sequence 20 1 US-09-659-791A-26 Sequence 20 US-09-659-791A-26 Sequence 20 US-09-659-791A-26 Sequence 20 US-09-659-791A-26 Sequence 20 U | 20 1 US-09-659-791A-27 Sequence<br>20 1 US-09-659-791A-28 Sequence<br>20 1 US-09-659-791A-29 Sequence<br>20 1 US-09-659-791A-30 Sequence |

| Sequence 237, App<br>Sequence 528, App<br>Sequence 529, App<br>Sequence 724, App   | 989   | 200                                       | 423,   | Sequence 422, App                            | 126                                    | 326                                   | Sequence 808, App<br>Sequence 30, Appl                                   | 171                                  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |   |  |  |  |   |  |  |   |   |  |   |  |  |  |   | th 26;                                    |
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| 15 1 US-08-363-240A-237<br>15 1 US-08-363-240A-528<br>15 1 US-08-363-240A-529<br>15 1 US-08-363-240A-724   |   | <br>                                      |  |  |  | 7 T                                   |  | 2 .                                  |  | ALIGNMENTS                             |  |  | 000000000000000000000000000000000000000               | 14CION 03/ 0003/3/30                           |  | shik, Alex                               | laze, George<br>ashvilli, Robert         | N: METHOD OF ASSAYING DIFFERENTIAL       | TITLE OF INVENTION: EXPRESSION           | DRESS                                    | 3: Fish & Richardson, F.C.<br>2200 Sand Hill Road, Suite 100 |  |  |  | E FORM:                                | IBM Compatible                           | OPERATING SYSTEM: Windows95   |   | MBER: US/08/859,998                                      | 21-MAY-1997<br>1. 435                  | N DATA:                                | MBER:                                   | . MOTHER MICHIE                        | Nrokumiton:<br>Bret E.                 | UMBER: 37,620  | ET NUMBER: 09096/002001<br>N INFORMATION: | TELECOMMONICALION INFORMATION: TELEPHONE: 415-322-5070 | 415~854-0875   | Q ID NO: 747:                           | ARACIEKISIICS:<br>26 base pairs             | nucleic acid                               | single                                      | lear                                     |  | TON: oligonucleotide primer  |   | 1.6%; Score 26; DB 1; Length              |
| 181 12.4 0.8<br>182 12.4 0.8<br>183 12.4 0.8<br>183 12.4 0.8   | 12.4 0.   | 187 12.4 0.<br>188 12.4 0.                | 12.4 0.  | 191 12.4 0.                                  | 93 12.4 0.                             | 12.4                                  | 196 12.4 0.  | 12.4                                 |  |  |  | RESULT 1                               | US-08-859-998-747                                     | ; Sequence /4/, Applic<br>. Patent No. 5994076 | GENERAL INFORMATION                      | , APPLICANT: Chenc                       | APPLICANT: JOKES                         | TITLE OF INVENTIC                        | TITLE OF INVENTIO                        | CORRESPONDENCE AI                        | ADDRESSEE: Fit   | ž  | STATE: CA                                | 0  | COMPUTER READABLI                      | COMPUTER: IBM                            | OPERATING SYST  | CURRENT APPLICAT                        | , APPLICATION NUMBER:                                    | ; FILING DATE: 2                       | PRIOR APPLICATION DATA:                | APPLICATION NUMBER                      | FILING DATE:                           | ATTORNEY/AGENT I                       | REGISTRATION N   | REFERENCE/DOCK                            | TELECOMMUNICALIO                                       | ; TELEFAX: 415-  | , INFORMATION FOR SEQ ID NO:            | SEQUENCE CHARACT                            | TYPE: nucleic                              | 펌   | TOPOLOGY: lin                            |  |  | US-08-859-998-747                         | Overv Match                               |
|  |   |   |  |  |  |                                       |  |                                      |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |   |  |  |  |   |  |  |   |   |  |   |  |  |  |   |   |
|  | 27,   | 874<br>944                                | 25,  | 7759   | Sequence 68/, App<br>Sequence 25, Appl | Sequence 27, Appl                     | 27,  | Seguence 25, Appl                    | Sequence 25, Appl                      | Sequence 27, Appi<br>Sequence 25, Appl | Sequence 27, Appl                      | Sequence 25, Appl                      | Sequence 3543, Ap                                     | Sequence 4182, Ap                              | Sequence 1895, Ap                        | Sequence 7355, Ap                        | Sequence 7485, Ap                        | Sequence 8568, Ap                        | Sequence 8661, Ap                        | Seguence 8663, Ap<br>Seguence 8664, Ap   | Sequence 9687, Ap  | Sequence 9000, Ap<br>Sequence 9689, Ap                                     | Sequence 3543, Ap                        | Sequence 8/4, App<br>Sequence 944, App                                 | Sequence 21, Appl                      | Sequence 160, App                        | Sequence 174, App   | Sequence 783, App                       | Sequence 73, Appl<br>Sequence 32, Appl                   | Sequence 67, Appl                      | Sequence 68, Appl                      | Seguence 67, Appr<br>Seguence 68, Appl  | Sequence 67, Appl                      | Sequence 68, Appl                      | Sequence 67, Appl<br>Sequence 68, Appl                     | Sequence 1, Appli                         | Sequence 1, Appli                                      | Sequence 23, Appl<br>Sequence 875, App                   | Sequence 882, App                       |   | equence 25,                                | equence 323<br>equence 875                  | Sequence 882, App                        | equence 945                                  | equence 37,<br>equence 172   | equence                                   | equence 2,                                |
| US-09-866-108A-10037 Sequence 100 US-09-866-108A-10038 Sequence 100 US-08-117-952-797 Sequence 797 US-08-758-306-467 Sequence 467  | US-08-599-455B-25<br>US-08-599-455B-27<br>US-08-474-700B-21<br>Sequence 21,   | US-08-757-024-874 Sequence 874            | US-09-069-781B-25 Sequence 25,   | US-08-584-040-7759 Sequence 7759             | US-08-679-645-687 Sequence             | US-09-137-132-27 Sequence             | US-08-864-564A-Z5 Sequence<br>US-08-864-564A-27 Sequence                 | US-09-094-410-25 Sequence            | US-08-708-123D-25 Sequence             | US-08-708-123D-27 Sequence             | US-08-583-153A-27 Sequence             | US-08-638-524B-25 Sequence             | US-08-838-324B-27<br>US-09-371-772B-3543 Sequence     | US-09-371-772B-4182 Sequence                   | US-09-866-108A-1895 Sequence             | US-09-866-108A-7355 Sequence             | US-09-866-108A-7485 Sequence             | US-09-866-108A-8568 Sequence             | US-09-866-108A-8661 Sequence             | US-09-866-108A-8663 Sequence             | US-09-866-108A-9687 Sequence                                 | US-09-866-108A-9688 sequence<br>HS-09-866-108A-9689 Sequence               | US-09-685-664B-3543 Sequence             | US-09-093-972C-874 sequence  | PCT-US95-05812-21 Sequence             | US-08-291-932A-160 Sequence              | US-09-180-43/-131 Sequence  | US-09-081-646-783 Sequence              | US-09-736-116-75 sequence<br>118-08-173-489C-32 Sequence | US-09-034-205-67 Sequence              | US-09-034-205-68 Sequence              | US-09-677-218B-67 Sequence              | US-09-677-192-67 Sequence              | US-09-677-192-68 Sequence              | US-09-402-618B-67 sequence<br>rrs-09-402-618B-68 Sequence  | US-08-796-031-1 Sequence                  | US-09-055-913-1 Sequence                               | US-08-985-090-23 sequence trs-08-757-024-875 Sequence    | US-08-757-024-882 Sequence              | US-08-757-024-945 Sequence 945              | US-09-165-543-25 Sequence 25,              | US-08-679-645-523 Sequence 323              | US-09-093-972C-882 Sequence 882          | US-09-093-972C-945 Sequence 945              | US-08-650-093C-9/<br>US-09-720-435A-172 Sequence 172                             | US-08-050-073-65 Sequence 65              | US-08-182-968A-2 Sequence 2,              |
| 1 US-09-866-108A-10037 Sequence 100 US-09-866-108A-10038 Sequence 100 US-08-7117-952-797 Sequence 797 US-08-758-306-467 Sequence 467 Se | 1 US-08-599-455B-25 Sequence 27, 1 US-08-599-455B-27 Sequence 27, 1 US-08-474-700B-21 Sequence 21,                                    | 1 US-08-757-024-874 Sequence 874          | 1 US-09-069-781B-25 Sequence 25,   | 1 US-08-584-040-7759 Sequence 7755           | 1 US-08-679-645-687 Sequence           | 1 US-09-137-132-27 Sequence           | 1 US-08-864-564A-25 Sequence<br>1 US-08-864-564A-27 Sequence             | 1 US-09-094-410-25 Sequence          | 1 US-08-708-123D-25 Sequence           | 1 US-08-708-123D-27 Sequence           | 1 US-08-583-153A-27 Sequence           | 1 US-08-638-524B-25 Sequence           | 1 US-08-838-324B-27<br>1 US-09-371-772B-3543 Sequence | 1 US-09-371-772B-4182 Sequence                 | 1 US-09-866-108A-1895 Sequence           | 1 US-09-866-108A-7355 Sequence           | 1 US-09-866-108A-7485 Sequence           | 1 US-09-866-108A-8568 Sequence           | 1 US-09-866-108A-8661 Sequence           | 1 US-09-866-108A-8663 sequence           | 1 US-09-866-108A-9687 Sequence                               | 1 US-09-866-108A-9688 sequence<br>1 HS-09-866-108A-9689 Sequence           | 1 US-09-685-664B-3543 Sequence           | 1 US-09-093-972C-874 sequence 1 US-09-093-972C-944 Sequence            | 1 PCT-US95-05812-21 Sequence           | 1 US-08-291-932A-160 Sequence            | 1 US-09-180-43/-151 Sequence  | 1 US-09-081-646-783 Sequence            | 1 US-09-736-116-75 Sequence 1 US-08-173-489C-32 Sequence | 1 US-09-034-205-67 Sequence            | 1 US-09-034-205-68 Sequence            | 1 US-09-677-218B-67 Sequence            | 1 US-09-677-192-67 Sequence            | 1 US-09-677-192-68 Sequence            | 1 US-09-402-618B-67 sequence 1 Trs-09-402-618B-68 Sequence | 1 US-08-796-031-1 Sequence                | 1 US-09-055-913-1 Sequence                             | 1 US-08-985-090-23 sequence 1 US-08-757-024-875 Sequence | 1 US-08-757-024-882 Sequence            | 1 US-08-757-024-945 Sequence 945            | 1 US-09-165-543-25 Sequence 25,            | 1 US-08-679-645-523 Sequence 323            | 1 US-09-093-972C-882 Sequence 882        | 1 US-09-093-972C-945 Sequence 945            | 1 US-08-650-093C-9/ Sequence 3/7<br>1 HS-09-720-435A-172 Sequence 172            | 1 US-08-050-073-65 Sequence 65            | 1 US-08-182-968A-2 Sequence 2,            |
| 17 1 US-09-865-108A-10037 Sequence 100<br>17 1 US-09-866-108A-10038 Sequence 100<br>18 1 US-08-117-952-797 Sequence 797<br>17 1 US-08-758-306-467 Sequence 467   | 17 1 US-08-599-455B-25 Sequence 27, 17 1 US-08-474-700B-21 Sequence 21, 17 IIS-08-474-700B-21 Sequence 21,                            | 17 US-08-757-024-874 Sequence 874         | 17 1 13-09-069-781B-25 Sequence 25, 17 1 115-09-069-781B-27 Sequence 27, | 17 1 US-08-584-040-7759 Sequence 7755        | 3 17 1 US-08-679-645-687 Sequence      | 3 17 1 US-09-137-132-27 Sequence      | 3 17 1 US-08-864-564A-25 Sequence<br>3 17 1 US-08-864-564A-27 Sequence   | 3 17 1 US-09-094-410-25 Sequence     | 3 17 1 US-08-708-123D-25 Sequence      | 3 17 1 US-08-708-123D-27 Sequence      | 3 17 1 US-08-583-153A-27 Sequence      | 8 17 1 US-08-638-524B-25 Sequence      | B 1/ 1 US-08-838-324B-Z/ Coducinos                    | 8 17 1 US-09-371-772B-4182 Sequence            | 8 17 1 US-09-866-108A-1895 Sequence      | 8 17 1 US-09-866-108A-7355 Sequence      | 8 17 1 US-09-866-108A-7485 Sequence      | 8 17 1 US-09-866-108A-8568 Sequence      | 8 17 1 US-09-866-108A-8661 Sequence      | 8 17 1 US-09-866-108A-8663 Sequence      | 8 17 1 US-09-866-108A-9687 Sequence                          | 8 17 1 US-09-866-108A-9688 sequence<br>9 17 1 US-09-866-108A-9689 Sequence | 8 17 1 US-09-685-664B-3543 Sequence      | 8 17 1 US-09-093-972C-874 sequence of 17 1 US-09-093-972C-944 Sequence | 8 17 1 PCT-US95-05812-21 Sequence      | 8 15 1 US-08-291-932A-160 Sequence       | 8 15 1 US-09-180-437-151 Sequence<br>8 15 1 US-09-081-646-174 Sequence          | 8 15 1 US-09-081-646-783 Sequence       | 8 15 1 US-09-736-116-75 Sequence                         | 8 16 1 US-09-034-205-67 Sequence       | 8 16 1 US-09-034-205-68 Sequence       | 8 16 1 US-09-677-218B-67 Sequence       | 8 16 1 US-09-677-192-67 Sequence       | 8 16 1 US-09-677-192-68 Sequence       | 8 16 1 US-09-402-618B-67 sequence                          | 8 14 1 US-08-796-031-1 Sequence           | 8 14 1 US-09-055-913-1 Sequence                        | 8 16 1 US-08-985-090-23 sequence                         | 8 16 1 US-08-757-024-873 Sequence       | 8 16 1 US-08-757-024-945 Sequence 945       | .8 16 1 US-09-165-543-25 Sequence 25,      | 8 16 1 US-08-679-645-523 Sequence 523       | 8 16 1 US-09-093-972C-882 Sequence 882   | 8 16 1 US-09-093-972C-945 Sequence 945       | .8 14 1 US-08-650-093C-9/ Sequence 27,<br>8 14 1 HS-09-720-435A-172 Sequence 172 | 8 15 1 US-08-050-073-65 Sequence 65       | 8 15 1 US-08-182-968A-2 Sequence 2,       |
| Sequence 100<br>Sequence 100<br>Sequence 797<br>Sequence 757   | .8 0.8 17 1 US-08-599-455B-25 Sequence 27,<br>8 0.8 17 1 US-08-599-455B-27 Sequence 27,<br>8 0.8 17 1 IIS-08-474-700B-21 Sequence 21, | 8 0.8 17 1 US-08-757-024-874 Sequence 874 | 8 0.8 17 1 US-09-069-781B-25 Sequence 25,                                | .8 0.8 17 1 US-08-584-040-7759 Sequence 7755 | .8 0.8 17 1 US-08-679-645-687 Sequence | .8 0.8 17 1 US-09-137-132-27 Sequence | .8 0.8 17 1 US-08-864-564A-25 Sequence 8 17 1 US-08-864-564A-27 Sequence | 8 0.8 17 1 US-09-094-410-25 Sequence | .8 0.8 17 1 US-08-708-123D-25 Sequence | .8 0.8 17 1 US-08-708-123D-27 Sequence | .8 0.8 17 1 US-08-583-153A-27 Sequence | .8 0.8 17 1 US-08-638-524B-25 Sequence | .8 0.8 17 1 US-09-371-772B-3543 Sequence              | .8 0.8 17 1 US-09-371-772B-4182 Sequence       | .8 0.8 17 1 US-09-866-108A-1895 Sequence | .8 0.8 17 1 US-09-866-108A-7355 Sequence | .8 0.8 17 1 US-09-866-108A-7485 Sequence | .8 0.8 17 1 US-09-866-108A-8568 Sequence | .8 0.8 17 1 US-09-866-108A-8661 Sequence | .8 0.8 17 1 US-09-866-108A-8663 Sequence | 8 0.8 17 1 US-09-866-108A-9687 Sequence                      | 1.8 0.8 17 1 US-09-866-108A-9688 sequence                                  | .8 0.8 17 1 US-09-685-664B-3543 Sequence | 1.8 0.8 17 1 US-09-093-972C-874 Sequence                               | 18 0.8 17 1 PCT-US95-05812-21 Sequence | 1.4 0.8 15 1 US-08-291-932A-160 Sequence | 1.4 0.8 15 1 US-US-18U-43/-151 Sequence 3.4 0.8 15 1 US-09-081-646-174 Sequence | 3.4 0.8 15 1 US-09-081-646-783 Sequence | 3.4 0.8 15 1 US-09-736-116-75 sequence                   | 3.4 0.8 16 1 US-09-034-205-67 Sequence | 3.4 0.8 16 1 US-09-034-205-68 Sequence | 3.4 0.8 16 1 US-09-677-218B-67 Sequence | 3.4 0.8 16 1 US-09-677-192-67 Sequence | 3.4 0.8 16 1 US-09-677-192-68 Sequence | 3.4 0.8 16 1 US-09-402-618B-67 sequence                    | 13 0.8 14 1 US-08-796-031-1 Sequence      | 13 0.8 14 1 US-09-055-913-1 Sequence                   | 2.8 0.8 16 1 US-08-985-090-23 sequence                   | 2.8 0.8 16 1 03-08-757-024-882 Sequence | 2.8 0.8 16 1 US-08-757-024-945 Sequence 945 | 2.8 0.8 16 1 US-09-165-543-25 Sequence 25, | 2.8 0.8 16 1 US-08-679-645-523 Sequence 523 | 0.8 16 1 US-09-093-972C-882 Sequence 882 | 2.8 0.8 16 1 US-09-093-972C-945 Sequence 945 | 2.4 0.8 14 1 US-08-650-093C-9/ Sequence 97,                                      | 2.4 0.8 15 1 US-08-050-073-65 Sequence 65 | 2.4 0.8 15 1 US-08-182-968A-2 Sequence 2, |

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1.6%; Score 26; DB 1; Length 26;
100.0%; Pred. No. 2.3;
tive 0; Mismatches 0; Indels
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US-08-859-998-748/C
is Gequence 748, Application US/08859998
is Patent No. 5994076
is GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Chenchik, Alex
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
INMER OF SEQUENCES: 1375
CORRESPENDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                      ASSAYING DIFFERENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: oligonucleotide primer SEQUENCE DESCRIPTION: SEQ ID NO: 747:
                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/09/225,201B
FLING DATE: 05-Jan-1999
CLASSIPICATION: <UNKnown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FLING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              934 TGCGGATGAAGGACCAGTGTGACAAG 959
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  Bibilashvilli, Robert
                    TITLE OF INVENTION: METHOD OF A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 415-322-5070
TELEPAX: 415-684-0875
INFORMATION FOR SEQ ID NO: 747:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                            ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 26 base pairs
                                                                NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible OPERATING SYSTEM: Window
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 26; Conservative
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MEDIUM TYPE: Diskette
                                                                                                                                                                                               COUNTRY: US
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                        0; Indels
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                                                                                                                                                                                                          Sequence 747, Application US/09225928
Patent No. 6352829
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibliashvilli, Robert
TILE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT AFFI: DEACHE

COMBUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FastERG for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/25,928

FILING DATE: 05-Jan-1999

CLASSIFICATION LATA:

APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: 08/859,998

FILING DATE: 21-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: Field, Bret E:

REGISTRATION NUMBER: 37,620

REGISTRATION NUMBER: 37,620

REGISTRATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    )
SEQUENCE DESCRIPTION: Oligonucleotide primer;
US-09-225-928-747
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ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
  Pred. No. 2.3;
Best Local Similarity 100.0%; Pred. No. 2.3
Matches 26; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.6%; Score 26; DB 100.0%; Pred. No. 2.3 tive 0; Mismatches
                                                              934 TGCGGATGAAGGACCAGTGTGACAAG 959
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        934 TGCGGATGAAGGACCAGTGTGACAAG 959
                                                                                      1 TGCGGATGAAGGACCAGTGTGACAAG 26
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US-09-225-201B-747
; Sequence 747, Application US/09225201B
; Patent No. 6489455
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
jokhadze, George
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 747:
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                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 1375
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STRANDEDNESS: single
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MOLECULE TYPE: DNA
FEATURE:
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Best Local Similarity 100.0
Matches 26; Conservative
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COUNTRY: US
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Jokhadze, George
Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COFERATING SYSTEM: Windows95
SOFTWARE: FASESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,201B
FILING DATE: 05-Jan-1999
CLASSIFICATION DATA:
APPLICATION TWBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REGISTRATION NUMBER: 37,620
REGISTRATION TOWNER: APPLICATION TELECOMMUNICATION TOWNER: O9096/002001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Oligonucleotide primer SEQUENCE DESCRIPTION: SEQ ID NO: 748:
                                                                                                                                                              ) OTHER INFORMATION: oligonucleotide primer;
SEQUENCE DESCRIPTION: SEQ ID NO: 748:
US-09-225-928-748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.5%; Score 25; DB 1; Best Local Similarity 100.0%; Pred. No. 3; Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                   1.5%; Score 25; DB
100.0%; Pred. No. 3;
vative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                             1190 GTACTATCTGCGGGTCACCACGGTG 1214
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 415-322-5070
TELEFAX: 415-854-0875
                                 LENGTH: 25 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 25 base pairs
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STRANDEDNESS: single
             SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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Best Local Similarity
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US-09-225-928-748/c
; Sequence 748, Application US/09225928
; Patent No. 6352892
; GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Johnadze, George
Bibliashvilli, Robert
HITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 25;
3;
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COPENATING SYSTEM: Windows95
SOFTWARE: FASESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: OS-Jan-1999
CLASSIFICATION ADATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REGISTRATION NUMBER: 37,620
TELECOMMUNICATION INFORMATION:
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: 37,620
ATORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/POCKET NUMBER: 09096/002001
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: oligonucleotide primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 3; Matches 25; Conservative 0; Mismatches
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TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 748:
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MOLECULE TYPE: DNA
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APPLICANT: Strauss III, Jerome F.
TITLE OF INVENTION: IDENTIFICATION OF GENE MUTATIONS
TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STRET: 5 Palo Alto
CITY: Palo Alto
STREE: CA
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Sequence 6, Application US/09659791A
Patent No. 638808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION VUNBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NOS: 90
LENGTH: 21
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATE:

APPLICATION NUMBER: US/08/410,540

FILING DATE: 2-MAR-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Neeley, Richard L.

REGISTRATION NUMBER: UCAL-238/00US

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPRA: 415 857 0663

TELEPRA: 415 87 0663

TELEPRA: A15 87 0663

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 21 base pairs

LENGTH: 21 base pairs
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100.0%; Pred. No. 9.2;
tive 0; Mismatches (
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Pred. No. 9.2;
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Best Local Similarity 100.0
Matches 21; Conservative
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STRANDEDNESS: single
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                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OP INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FAPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE:
NUMBER OF SEQ ID NOS: 90
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Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: David Mack
APPLICANT: David Mack
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 310.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT PILING DATE: 1999-09-15
PRIOR FILING DATE: 1998-09-17
PRIOR FILING DATE: 1998-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.4%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 5.4 Matches 23; Conservative 0; Mismatches
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    1190 GTACTATCTGCGGGTCACCACGGTG 1214
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 31760
LENGTH: 25
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                                    GTACTATCTGCGGGTCACCACGGTG 1
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; Sequence 5, Application US/09659791A
; Patent No. 6383808
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Patent No. 5807678
GENERAL INPORMATION:
APPLICANT: Miller, Walter L.
APPLICANT: Lin, Dong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , OTHER INFORMATION: PCR Primer US-09-659-791A-5
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Best Local Similarity 92.0
Matches 23; Conservative
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US-08-410-540-21
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LENGTH: 23
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1170 CTCACGCAAGGCGAAGACCAG 1190
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Best Local Similarity 95.2
Matches 20; Conservative
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US-09-657-472-2423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
US-09-657-472-2422
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Best Local Similarity
Matches 20; Conserv
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GENERAL INCREMATION:
GENERAL INCREMATION:
APPLICANT: Millis, Albert J. T.
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration FILE REFERENCE: 0794.016A
CURRENT APPLICATION NUMBER: US/09/459,749D
CURRENT FILING DATE: 1999-12-10
PRIOR FILING DATE: 1998-12-11
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: Lander, Eric S.

APPLICANT: Cargil, Michele

APPLICANT: Cargil, Michele

APPLICANT: Ireland, James S.

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, George Q.

APPLICANT: BOLK, George Q.

APPLICANT: BOLY, George Q.

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

FILE REFERENCE: 2825.1027-001

CURRENT APPLICATION NUMBER: US/09/657,472

CURRENT FILING DATE: 2000-09-07

PRIOR PELING DATE: 2000-09-07

PRIOR APPLICATION NUMBER: US 60/153,357

PRIOR FILING DATE: 2000-07-26

PRIOR PELING DATE: 2000-09-07

SPRIOR PILING DATE: 2000-08-16

NUMBER OF SEQ ID NOS: 2551

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2421
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 21; Conservative 0; Mismatches 0; Indels
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Patent No. 6727063
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                                                                                                      Sequence 14, Application US/09459749D
Patent No. 6464975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      274 AAGCCAAGAAGAAGAAGAGG 294
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Best Local Similarity 95.2
Matches 20; Conservative
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CORGANISM: Homo sapiens
US-09-657-472-2421
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US-09-657-472-2423

US-09-657-472-2423

Sequence 2423, Application US/09657472

Patent No. 6727063

GENERAL INFORMATION:

APPLICANT: Lander: Entic S.

APPLICANT: Ireland, James S.

APPLICANT: Delk, Stacey

APPLICANT: Delk, Stacey

APPLICANT: MCGATELLY, Genette J.

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

FILE REPREBACE: 2825.1027-001

CURRENT APPLICATION NUMBER: US/09/657,472

CURRENT FILING DATE: 2000-09-10

PRIOR FILING DATE: 1999-09-10

PRIOR FILING DATE: 2000-09-26

PRIOR FILING DATE: 2000-09-26

PRIOR FILING DATE: 2000-09-16

PRIOR FILING DATE: 2000-09-16

PRIOR FILING DATE: 2000-09-16

NUMBER OF SEQ ID NOS: 2551

SOFTWARE: FastSEQ for Windows Version 4.0

SEMANT. 21
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US-UG-ED/-4/2-2422

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

Sequence 2422, Application US/09657472

SEQUENCE 12nded, James S.

APPLICANT: Lander, Eric S.

APPLICANT: Ireland, James S.

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, Stacey

APPLICANT: McCarthy, Jeanette J.

TITE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

FILE REFERENCE: 2825.1027-001

FILE REFERENCE: 2825.1027-001

CURRENT APPLICATION NUMBER: US 60/153,357

PRIOR FILING DATE: 2000-09-10

PRIOR FILING DATE: 2000-09-10

PRIOR PLICATION NUMBER: US 60/220,947

PRIOR PLILING DATE: 2000-09-16

NUMBER OF SEQ ID NOS: 2551

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2422

LENGTH: 212
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GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
                Sequence 14, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brets P. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
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Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION WHORER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
iive 0; Mismatches 0; Indels
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. 12;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-15
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100.0%; Pred. No. 12;
cive 0; Mismatches
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                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.'
Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
US-09-659-791A-14/c
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LENGTH: 20
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                                                                                                                                                          APPLICANT: Lander, EILC S.,
APPLICANT: Cargill, Michele
APPLICANT: Cargill, Michele
APPLICANT: Teland, James S.
APPLICANT: Teland, James S.
APPLICANT: Bolk, Stacey
APPLICANT: Daley, George Q.
APPLICANT: MCCarthy, Jeanette J.
TITLE OF INVENTION: SINGLE NUCLECTIDE POLYMORPHISMS IN GENES
FILE REFERENCE: 2825.1027-001
CURRENT FILING DATE: 2000-09-07
PRIOR PRIOR APPLICATION NUMBER: US 60/153,357
PRIOR PLING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 60/220,947
PRIOR PLING DATE: 2000-07-26
PRIOR PAPLICATION NUMBER: US 60/225,724
PRIOR PLING DATE: 2000-09-16
PRIOR PLING DATE: 2000-09-16
SOFTWARE: FastSEQ for Windows Version 4.0
SOFTWARE: FastSEQ for Windows Version 4.0
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| Patent No. 6821724
| GENERAL INFORMATION:
| APPLICANT: Michael Mittmann
| APPLICANT: David Mack
| APPLICANT: David Mack
| APPLICANT: David Mack
| APPLICANT: Affymetrix, Inc.
| TILLE OF INVENTION: Methods of Genetic Analysis
| FILE REFERENCE: 3101.1
| FILE REFERENCE: 3101.1
| CURRENT FILING DATE: 1999-09-15
| PRIOR FILING DATE: 1999-09-15
| NUMBER OF SEQ ID NOS: 127806
| SOFTWARE: PRECESQ for Windows Version 4.0
| SEG ID NOS: 1758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Mismatches
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                                                                                 Sequence 2444, Application US/09657472
Patent No. 6727063
GENERAL INFORMATION:
APPLICANT: Lander, Eric S.
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Best Local Similarity 95.2
Matches 20; Conservative
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CORGANISM: Homo sapiens
US-09-657-472-2424
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                                                                 US-09-657-472-2424
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Best Local S:
Matches 22
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122 GGTCTCAGACAATGAGCTCC 141
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                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20, Conservative
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US-09-659-791A-20/c
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| Sequence 17, Application US/09659791A
| Patent No. 638808
| GENERAL INFORMATION:
| APPLICANT: Brett P. Monia
| APPLICANT: Brett P. Monia
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/09/659,791A
| CURRENT PILING DATE: 2000-09-11
| SEQ ID NOS: 90
| SEQ ID NO 17
| LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILLE OF INTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 18
LENGTH: 20
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12;
                                                                                                                     Length 20;
                                                                                                                                                           Indels
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                                                                                                                 Query Match
1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-18
                                              ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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32-09-63-91A-18/C
; Sequence 18, Application US/09659791A
; Patent No. 6383808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101 GCAGGTCCTGGGGGACCAGA 120
                                                                                                                                                                                                     39 ATTGGAGGCATGATGAAGAC 58
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-09-659-791A-21/C

Sequence 21, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 21

LENGTH: 20
02-09-659-791A-19/c
| Sequence 19, Application US/09659791A
| Sequence 19, Application US/09659791A
| Patent No. 6383808
| GENERAL INFORMATION:
| APPLICANT: Breit P. Monia | APPLICANT: Breit Preser
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION | FILE REFERENCE: RTS-0156 | CURRENT APPLICATION NUMBER (US/09/659,791A | CURRENT FILING DATE: 2000-09-11 | NUMBER OF SEQ ID NOS: 90 | LENGTH: 20 | LENGTH: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett R. Steler
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: TS-0156
CURRENT APPLICATION WHERE: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches 0
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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SEQ ID NO 24
LENGTH: 20
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; Sequence 22, Application US/09659791A
; Patent No. 6381808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 22
; LENGTH: 20
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BAPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. MONIA
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE WOODOLATION OF CURRENT PAPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NOS: 90
LENGTH: 20
                                                                                                DB 1; Length 20;
12;
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                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-21
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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US-09-659-791A-23/c
; Sequence 23, Application US/09659791A
; Patent No. 6383808
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ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
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US-09-659-791A-25/C

Sequence 25, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Busan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 25

LENGTH: 20
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Sequence 26, Application US/09659791A

Sequence 26, Application US/09659791A

Patent NO. 6383808

GRNEAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Sugan M. Freier
TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 26
LENGTH: 20
                                                                        APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freler
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
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100.0%; Pred. No. 12;
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100.0%; Pred. No. 12;
tive 0; Mismatches
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tive 0; Mismatches
Sequence 24, Application US/09659791A Patent No. 6383808 GENERAL INFORMATION:
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RESULT 27

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RESULT 34
US-09-659-791A-31/c
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Sequence 28, Application US/09659791A

Patent No. 638308

GENERAL INFORMATION:

APPLICANT: Brete P. Monia

APPLICANT: Brete F. Freier

TITLE CONVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPRERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 28

LENGTH: 20

LENGTH: 20
                                                                                                                                                                                                                                                                                                                         APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERBUCE: RIS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 27
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-559-791A-27
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-26
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US-09-559-791A-27/c
Sequence 27, Application US/09659791A
; Patent No. 6383808
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ORGANISM: Artificial Sequence
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US-09-659-791A-29/C
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Sequence 29, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Breth P. Monia
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERBNCE: RTS-0156
CURRENT APPLICATION UNMER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO. 29
LENGTH: 20
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US-09-659-791A-30/C
US-09-659-791A-30/C
US-09-659-791A-30/C
Sequence 30, Application US/09659791A
PAPELICANT 638808
PAPELICANT: Susan M. Freier
PITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
PITLE OF INVENTION: ANTISENSE WODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
PERCOL DATE: 2000-09-11
PENCENT: 2000-09-11
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Patent No. 6383808
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0116
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 33
LENGTH: 20
                                                             Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: AntiBense Oligonucleotide
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US-09-659-791A-32
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US-09-659-791A-33
                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/659,791A CURRENT FILING DATE: 2000-09-11 NUMBER OF SEQ 1D NOS: 90 SEQ 1D NO 32 LENGTH: 20
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US-09-659-791A-32/c
Sequence 32, Application US/09659791A
Patent No. 6383808
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VS-09-659-791A-33/c
Sequence 33, Application US/09659791A
; Patent No. 6383808
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US-09-659-791A-34/c
; Sequence 34, Application US/09659791A
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
        ; OTHER INFORMA
US-09-659-791A-31
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US-09-659-791A-36/C

Sequence 16, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 36
LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: SUBBLANCE: RTS-0156
CURRENT APPLICATION UNBER: US/09/659,791A
CURRENT APPLICATION UNBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 34
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches
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ORGANISM: Artificial Sequence
FORGATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20, Conservative
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US-09-659-791A-37/c
iSequence 37, Application US/09659791A
sequence 37, Application US/09659791A
general No. 638308
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 37
LENGTH: 20
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; Sequence 38, Application US/09659791A
; Patent No. 638368
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION WUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; SEQ ID NO 38
; ERNGRH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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                              Score 20; DB 1; Length 20;
Pred. No. 12;
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ilarity 100.0%; Pred. No. 12;
Conservative 0; Mismatches
                        1.2%; Sco...
100.0%; Pred. No. 12.,
... 0; Mismatches
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US-09-659-791A-39/c
; Sequence 39, Application US/09659791A
; Patent No. 6383808
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                                                   Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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US-09-659-791A-36
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                                        Query Match
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US-09-659-791A-40/c

Sequence 40, Application US/09659791A

Patent No. 6184808

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION:
FILE REPERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 40
LENGTH: 20
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| Patent No. 638808 | GENERAL INFORMATION:
| APPLICANT: Brett P. Monia | APPLICANT: Brett P. Monia | APPLICANT: Brett P. Monia | TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION | CURRENT APPLICATION NUMBER: US/09/659,791A | CURRENT PILING DATE: 2000-09-11 | SEQ ID NO 41 | LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: Brett P. Monia
APPLICANT: Brett P. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION WUMBER: US/09/659, 791A
CURRENT APPLICATION WUMBER: US/09/659, 791A
CURRENT FILLING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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COTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-40
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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TYPE: DNA
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                                                                                                                                                                                        RESULT 45
US-09-659-791A-42/C

1 Sequence 42, Application US/09659791A

2 Sequence 42, Application US/09659791A

3 Fatent No. 638380B

3 GENERAL INFORMATION:

4 APPLICANT: Brett P. Monia

5 APPLICANT: Susan M. Freier

7 ITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

7 FILE REPRESENCE: RIS-0156

7 CURRENT APPLICATION NUMBER: US/09/659,791A

7 CURRENT FILING DATE: 2000-09-11

8 NUMBER OF SEQ ID NOS: 90

8 SEQ ID NO 42

1 LENGTH: 20
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Sequence 43, Application US/09659791A

Sequence 43, Application US/09659791A

Sequence 43, Application US/09659791A

Patent No. 6383080

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 43

LENGTH: 20
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DB 1; Length 20;
12;
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Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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US-09-595-791A-44/c
Sequence 44, Application US/09659791A
; Patent No. 6383808
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APPLICANT: Sugan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION UNBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: State P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NOS: 90
LENGTH: 20
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Sequence 46, Application US/09659791A

Sequence 46, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Breet P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTG-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 46

LENGTH: 20
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; Sequence 45, Application US/09659791A
; Patent No. 6383808
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TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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US-09-659-791A-48/C
; Sequence 48, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Busan M. Freier
; TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
                                                                                                                                                                                                                                                                      APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREINCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 47
LENGTH: 20
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Length 20;
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
      DB 1;
12;
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    Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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; Sequence 49, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
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US-09-659-791A-47/c
US-09-659-791A-47/c
; Sequence 47, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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Sequence 51, Application US/09659791A

Sequence 51, Application US/09659791A

Patent NO. 6383808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTG-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 51

LENGTH: 20
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US-09-659-791A-50/c
is Sequence 50, Application US/09659791A
sequence 50, Application US/09659791A
sequence 50, Application US/09659791A
sequence 50, Application US/09659791A
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTIGENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION NUMBER: US/09/659,791A
CURRENT APLICATION NUMBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 50
LENGTH: 20
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 49
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ilarity 100.0%; Pred. No. 12;
Conservative 0; Mismatches
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Pred. No. 12;
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                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-49
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893 GACTGTGTGCCGGGAGATCC 912
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                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Best Local Similarity
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Matches 20; Conserv
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US-09-659-791A-55/c
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US-09-659-791A-531/c
19-659-791A-531/c

Sequence 53, Application US/09659791A

Patent No. 638300

GENERAL INPORMATION:
APPLICANT: Breat F. Monia
APPLICANT: Breat F. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
PILE REFERENCE: RTS-0156
CURRENT APPLICATION WUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ 1D NOS: 90
                                                                                                                                                                                      Sequence 52, Application US/09659791A
Patent No. 638308
Patent No. 638308
Patent No. 638308
Patent No. 638308
PERENTI Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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    Pred. No. 12;
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US-09-659-791A-53
Best Local Similarity 100.0%; Pred. No. 12, Matches 20; Conservative 0; Mismatches
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; Sequence 54, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
                                                            820 TGGACATCCACTTCCACAGC 839
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ORGANISM: Artificial Seguence
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ORGANISM: Artificial Sequence
FEATURE:
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US-09-659-791A-52/c
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LENGTH: 20
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Patent No. 6383608
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Staan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: FTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 55
LENGTH: 20
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Patent No. 6383808
BAREAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-015
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ 1D NOS: 90
SEQ 1D NO 56
LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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100.0%; Pred. No. 12;
tive 0; Mismatches
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100.0%; Pred. No. 12;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-56
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100.0%; Pred. No. 12;
ive 0; Mismatches
                      FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
ESEQ ID NO 54
LENGTH: 20
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Gaps

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MS-09-659-791A-61/C

Sequence 61, Application US/09659791A

Patent No. 6333808

GENERAL INFORMATION:
PAPPLICANT: Suean M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156

CURRENT APPLICATION UNBER: US/09/659,791A

CURRENT APPLICATION UNBER: US/09/659,791A

SEQ ID NOS: 90

SEQ ID NO 61

LENGTH: 20

LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 60
LENGTH: 20
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                                                                                                                                                                                                                                                        FEATURE:
, OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Antisense Oligonucleotide
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-659-791A-60/c; Sequence 60, Application US/09659791A; Patent No. 6383808; GENERAL INFORMATION:
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                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 20; Conserv
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Sequence 57, Application US/09659791A

Sequence 57, Application US/09659791A

Patent No. 6333808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION ANTIENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RT-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 57

LENGTH: 20
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US-09-659-791A-58/C

18-09-659-791A-58/C

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18-09-659-791A-58/C

18-09-659-791A-58/C

18-09-69-791A-58/C

18-09-69-791A-58/C

18-09-69-791A-58/C

18-09-69-791A-58/C

18-09-69-791A-58/C

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18-09-69-791A-58/C

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Fatent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Breat P. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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100.0%; Pred. No. 12;
tive 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
                         20; Conservative
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US-09-659-791A-59/c
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                             Matches
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SEQ ID NO 62 LENGTH: 20 TYPE: DNA

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US-09-659-791A-66/C

US-09-659-791A-66/C

Sequence 66, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Brett P. Monia

TITLE OF INTENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INTENTION: ANTISENSE WODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION: AUTOBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90
SEQ ID NO 66
LENGTH: 20
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION WHOBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   i OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-65
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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CURRENT APPLICATION NUMBER: US/09/659,791A CURRENT FILING DATE: 2000-09-11 NUMBER OF SEQ ID NOS: 90 LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-659-791A-65/c; Sequence 65, Application US/09659791A; Patent No. 6383808; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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LENGTH: 20
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; Sequence 63, Application US/09659791A
; Patent No. 6393808
; GRENEAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 63
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Sequence 62, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILICATION DATE:

NUMBER OF SEQ ID NOS: 90
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18-60-64, Application US/09659791A

18-61-64-65-791A

18-61-64-64-791A

18-61-64-
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12;
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US-09-659-791A-63
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                            1083 AAGTCCTACCAGTGGAAGAT 1102
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                                                                                                                20 AAGTCCTACCAGTGGAAGAT 1
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ORGANISM: Artificial Sequence
FEATURE:
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US-059-791A-71/C

Sequence 71, Application US/09659791A

Sequence 71, Application US/09659791A

Sequence 71, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPREMENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 71

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 70, Application US/09659791A
Fatent No. 6383808
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT APPLICATION NUMBER: US/09/659,791A
SURNER APPLICATION NUMBER: US/09/659,791A
LUNGBE OF SEQ ID NOS: 90
LENGTH: 20
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100.0%; Pred. No. 12;
tive 0; Mismatches
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, OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-71
                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-69
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2000-09-11
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                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.0
Matches 20; Conservative
CURRENT FILING DATE:
NUMBER OF SEQ ID NOS:
SEQ ID NO 69
LENGTH: 20
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US-09-659-791A-70/c
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US-09-659-791A-68/C

Sequence 68, Application US/09659791A

Patent No. 634308

GREEAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 68
LENGTH: 20
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Sequence 69, Application US/09659791A

Patent No. 63838108

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
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                                                                                                                                                                                                                            APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE OF INVENTION: ANTISENSE WODULATION OF CLUSTERIN EXPRESSION
FILE REFRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 67
LENGTH: 20
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                                                                                                                                                         Sequence 67, Application US/09659791A; Patent No. 6383808; GENERAL INFORMATION:
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      1182 GAAGACCAGTACTATCTGCG 1201
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                                                   20 gaagaccagracrarcracg 1
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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US-09-659-791A-67/c
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Sequence 79 Application US/09659791A

Patent No. 6383090
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 78
LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
IIILE OF INVENTION: M. Freier
TITLE OF INVENTION: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 75
                                                                                                                                                                                                              Length 20;
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                                                                                     ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-74
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US-09-659-791A-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0uery Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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; Sequence 75, Application US/09659791A
; Patent No. 6383808
                                                                                                                                                                                                                                                                                                               1600 TGCTCCTGCATGCAACTAAT 1619
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                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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NUMBER OF SEQ ID NOS: 90
SEQ ID NO 74
LENGTH: 20
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                                                                                       Sequence 72, Application US/09659791A

Sequence 72, Application US/09659791A

Patent No. 638308

GENERAL INFORMATION:
APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTIEENSE MODULATION OF CLUSTERIN EXPRESSION
ITTLE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 72

LENGTH: 20
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US-09-629-791A-73/C
US-09-629-791A-73/C
Sequence 73, Application US/09659791A
Sequence 73, Application US/09659791A
Setent No. 6383808
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 73
LENGTH: 20
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Sequence 74, Application US/09659791A

Sequence 74, Application US/09659791A

PAPELICANT: 0383008

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1398 GATGTGGATGTTGCTTTTGC 1417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1545 GCTCTGGATCCTGCACTCTA 1564
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  20 AAATTTATGGAGACCGTGGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
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Sequence 22, Application US/08410540

Sequence 22, Application US/08410540

Sequence 22, Application US/08410540

GENERAL INFORMATION:
APPLICANT: Miller, Walter L.
APPLICANT: Lin, Doning Construction of Gene MUTATIONS
TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSES: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Palo Alto
CITY: Palo Alto
CITY: Palo Alto
CITY: CAN
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1155 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: US
ZIP: 94306-2155
ZIP: 94306-2155
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,540
FILING DATE: 23-MAR-1995
                                                                                                                                                                                                                                                                                                             COMPUTER: ELDOPY disk
MEDIUM TYPE: Floppy disk
COMPUTER: ELD PC Compatible
COMPUTER: ELD PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/855,449
FILING DATE: 13-MAY-1997
CLASSIFICATION NUMBER: US/08/855,449
FILING DATE: 14-MAY-1996
ATFORNEY/AGENT INPORMATION:
NAME: OBLON, NORMAN E.
REGISTRATION NUMBER: 24,618
REGISTRATION NUMBER: 24,618
REGISTRATION NUMBER: 24,618
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION INFORMAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.1%; Score 18.8; D
Best Local Similarity 90.9%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   865 AATTCATACGAGAAGGCGACGA 886
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS: LENGTH: 22 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
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GENERAL INFORMATION:

APPLICANT: Millis, Albert J. T.

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration FILE REPERENCE: 0794.016A

CURRENT APPLICATION NUMBER: US/09/459,749D

CURRENT FILING DATE: 1999-12-10

PRIOR APPLICATION NUMBER: 60/111,856

PRIOR APPLICATION NUMBER: 60/111,856

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence:primer bind; OTHER INFORMATION: synthetic antisense primer based on murine clusterin US-09-459-749D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                     US-09-659-791A-80/C

is Sequence 80, Application US/09659791A

is Patent No. 6383808

j Patent No. 6383808

j RENERAL INFORMATION:

APPLICANT: Busan M. Freler

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 80

LENCTH: 20
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1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 20;
12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ASS-449-10
Sequence 10, Application US/08855449
Sequence 10, Application US/08855449
Sequence 10, Application US/0885547
SERNERAL INFORMATION:
APPLICANT: AKAMATION: AFFICANT: SUZUKI, TAKAO
TITLE OF INVENTION: RETHOD FOR IDENTIFYING THE SEX OF
TITLE OF INVENTION: SPINACH BY DNA MARKERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Antisense Oligonuclectide US-09-659-791A-80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-459-749D-13; Sequence 13, Application US/09459749D; Patent No. 6464975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           271 AAGAAGCCAAGAAGAAAG 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1383 CACCGGGAGGAGTGAGATGT 1402
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20 cáccedeadeadrearer 1
                                 20 TGGACTGTTCCACCAACAAC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 13
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 82
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DB 1; Length 22;

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RESULT to US-093C-43/c
US-08-550-093C-43/c
| Sequence 43, Application US/08650093C
| Patent No. 6391542
| Patent No. 6391542
| GENERAL INPORMATION:
| GENERAL INPORMATION:
| TILLE OF INVENTION: Compositions And Methods For Treatment
| Hopatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MD STORAGE
COMPUTER: IBM COMPACTED:

CORPUTER: IBM COMPACTED:

SOFTWARE: WORDERFECT 6.1 for Windows
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/650,093C
FILING DATE: 17-May-1996
CLASSIFICATION DATA:

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20
                   TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Indels
                                            COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/397,220B
FILING DATE: 09-Mar-1995
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                          PRIOR APPLICATION DATE:
APPLICATION NUMBER: PCT/JP93/01293
FILING DATE: 10.5ep-93
APPLICATION NUMBER: JP 5-87195
FILING DATE: 14-Apr-93
APPLICATION NUMBER: 07/945,289
FILING DATE: 10.5ep-92
ATTORNEY/AGENT INFORMATION:
NAME: JANE MASSEY LACATA
REFISENCE/DOCKET NUMBER: 1SPH-0031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 118
CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
CITY: Marlton
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.0%; Score 16.8; D
90.0%; Pred. No. 39;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO: 43: US-08-397-2208-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (609) 779-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1510 GCCTCCAGGCCCCCAACTCC 1529
                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              779-8488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 GCCTCCAGGCCCCCCCCTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (609) 779-
INFORMATION FOR SEQ ID NO: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 90.0°
Matches 18; Conservative
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US-08-397-220B-43/c
; Sequence 43, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
Of Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4.7 Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett F. Monia
APPLICANT: Brett STS-015
FILE REFERENCE: RTS-015
CURRENT APPLICA: RTS-015
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 18
LENGTH: 18
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20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSE: Jane Massey Licata, Esq.
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                              1.1%; Score 18; DB 100.0%; Pred. No. 20; Itive 0; Mismatches
                                                                    UCAL-238/00US
ATTORNEY/AGENT INFORMATION:
NAME: Neeley, Richard L.
REGISTRATION UNDBER: 30,092
REFERENCE/DOCKET UNDBER:
TELECPHONE: 415 853 5070
TELEPHONE: 415 853 5070
TELERA: 380816COOLEYPA
INFORMATION POR SEQ ID NO: 22:
SEQUIENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1475 GAGAGCTCTGCACGTCAC 1492
                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (synthetic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             746 TCCGTACGAGCCCCTGAA 763
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: PCR Primer US-09-659-791A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                                                  ; ANTI-SENSE: NO
US-08-410-540-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-659-791A-4
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Best Local Similarity 100.0%; Pred. No. 32;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-018-369B-97/C

| Sequence 97, Application US/09038369B
| Patent No. 6171784
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: MAETERS, GERT; STUTVER, LIEVEN;
| APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
| TITLE OF INVENTION: ISOLATES
| NUMBER OF SEQUENCES: 97
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: BIERMAN & MUSERLIAN STREET: 600 THIRD AVENUE
| CITY: NEW YORK
| STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                             SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION: 435
PRIOR APPLICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEPPAK: (212) 661-8000
TELEPAK: (212) 661-8000
TELEPAK: (212) 661-8002
SECURACE CHARACTERISTICS:
CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1508 CAGCCICCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
NEW YORK
NEW YORK
Y: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                  10016
CITY: NEV
STATE: NE
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          à
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18-60-023-649A-37/C

18-60-023-649A-37/C

18-60-023-649A-37/C

18-60-023-649A-37/C

18-60-023-649A-37/C

18-60-023-649A-37/C

18-60-023-649A

18-60-023-649A

18-60-023-649A

18-60-033-649A

18-60-03
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; Sequence 97, Application US/08256568B
; Patent No. 5846704
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUTVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; TITLE OF INVENTION: ISOLATES
; TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.0%; Score 16.8; D
Best Local Similarity 90.0%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.0%; Score 16.8; D
Best Local Similarity 90.0%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches
              APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORIEY, AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REBERRICE/POCKET NUMBER: 1SPH-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEFRAX: (609) 779-2400
TELEFRAX: (609) 779-2400
TELEFRAX: 6090 779-2400
TELEFRAX: CON 179-8488
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-08-650-093C-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1510 GCCTCCAGGCCCCCAACTCC 1529
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: DNA Primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE: Yes
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ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER TEACHER
COMPUTER: FLORDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899, 044
FILING DATE: 06-Jul-2001
CLASSIFICATION ADATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 4CINKLOWN-
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.0%; btc.
100.0%; Pred. No. ...
Sequence 97, Application US/09899044 Patent No. 6548244 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (212) 661-8002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 10016
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: CDNA HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-899-044-97/c
                                                                                                                                                                                                                                                                                                                                                                                                                 ; ANTI-SENSE:
US-09-378-900A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: MAERTENS, GEERT; STUTVER, LIEVEN;

APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: SOLLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
COUNTEY: USW YORK
COUNTEY: USW YORK
COUNTEY: USW YORK
COUNTEY: USW YORK
COUNTEY: HOW YORK
COUNTEY: HOW YORK
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: FLOPPY disk
COMPUTER: SYSTEM: PC-DOS/MS-DOS
           PRILING DATE:
CLASSIPICATION:
PRIOR APPLICATION DATA:
PILING DATE: 18-UL-1994
PILING DATE: 18-UL-1994
PILING DATE: 26-NOV-1993
PRIOR APPLICATION NUMBER: EP/93/402,129.6
PILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
PILING DATE: 27-NOV-1992
APPOINT APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
PILING DATE: 27-NOV-1992
APPOINTS APPLICATION NUMBER: 19,683
APPLICATION NUMBER: 19,683
REGISTRATION NUMBER: 19,683
TELEFRANCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
LENGTH: 16 base pairs
STRANBEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-378-900A-97/c
; Sequence 97, Application US/09378900A
; Patent No. 6495670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1508 CAGCCTCCAGGCCCCC 1523
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US-09-038-369B-97
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APPLICANT: Drager, Kenneth G.
APPLICANT: Drager, Renneth G.
APPLICANT: Bavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Gutsoffson, John
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF AFTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon
STREET: SJJ West Fifth Street
STREET: SJJ West Fifth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 17; 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Koenig, M, Monaco, A P, Kunkel, L M.
The complete sequence of
dystrophin predicts a rod-shaped cytoskeletal
       AUTHORS: Koenig, M. Hoffman, B.P., Bertelson, C.J., AUTHORS: Monaco, A.P. Feener, C., Kunkel, L.M... TITLE: Complete cloning of the TITLE: Duchenne muscular dystrophy (DMD) cDNA and TITLE: Duchenne muscular dystrophy (DMD) cDNA and TITLE: gene in normal and affected individuals JONNAMAL: Cell
                                                                                                                                                                                                                                                                                                                                                                      AUTHORS: Hoffman, E P, Monaco, A P, Feener, C C, AUTHORS: Kunkel, L M.
TITLE: Conservation of the Duchenne
TITLE: muscular dystrophy gene in mice and humans
JOURNAL: Science
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DATE: 1988
RELEVANT RESIDUES IN SEQ ID NO: 37 :FROM 1 TO 17
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ZIF: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,850
"TITING DATE: REBDUARY 17, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-390-850-535/c; Sequence 535, Application US/08390850 action No. 561215; Partent No. 561215; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICALL.
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/354,920
APPLICATION NUMBER: 08/152,487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         280 AGAAGAAGAAGAGGA 295
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Best Local Similarity 100.C
Matches 16; Conservative
UBLICATION INFORMATION:
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VOLUME: 238
VOLUME: 238
PAGES: 347-350
NATE: 1987
                                                                                                                                                                                                                                                                     VOLUME: 50
PAGES: 509-517
DATE: 1987
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VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE:
TITLE:
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APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS: 365
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC., STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%; Pred. No. 32;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: Genomic DNA
DESCRIPTION: dystrophin gene (Accession # M18533,
DESCRIPTION: M17154, M18026) nucleotides 5967 to 5983
HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REGISTRATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFRAX: (attorney) (212) 708-1880
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 Dase pairs
LYPR: NUCleic Acid
STRANDEDNESS: double stranded
STRANDEDNESS: double stranded
MATERIA PARKET INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: 1BM PC/XI/AT
COMPUTER: 1BM STORE
COMPUTER:
                                                                                                                                                                                                                                         HYPOTHETICAL: NO ANTI-SENSE: YES SEQUENCE DESCRIPTION: SEQ ID NO: 97: US-09-899-044-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POSITION IN GENOME:
CHROMOSOME/SEGMENT: X-chromosome
MAP POSITION: Xp21.3-p21.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 37, Application US/08173489C Patent No. 5861244
                                           SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1508 CAGCCTCCAGGCCCCC 1523
                 INFORMATION FOR SEQ ID NO: 97:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 CAGCCTCCAGGCCCCC 1
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ORIGINAL SOURCE:
ORGANISM: HOMO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-173-489C-37
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0; Gaps

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APPLICANT: CHEN, Wencheng
APPLICANT: SHANNON, WAS
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ACONICA-7
CURRENT PILING DATE: 2001-05-25
RRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                   Length 17;
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4.1%; Pred. No. 46;
ve 0; Mismatches
                                                                                                                                                                                                                                                                                                                   Score 15.4;
Pred. No. 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8666, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                               1589 AAGAACAGAATTGCTCC 1605
TELEPHONE: (213) 489-1600
TELERAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 535:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  273 GAAGCCAAGAAGAA 289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17 AAGAACAGAATTTCTCC 1
                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: DI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                      single
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                 linear
                                                                                                                                                                            TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-866-108A-8666
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US-08-435-634-535
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0.9%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 46;
Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MCSWiggen, James
APPLICANT: MCSWiggen, James
APPLICANT: Gustcfson, John
APPLICANT: Gustcfson, John
APPLICANT: Gustcfson, John
APPLICANT: Gustcfson, John
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPENDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 613 West Fifth Street
STREET: 613 West Fifth Street
STREET: Guste 4700
CITY: Los Angeles
STATE: California
COUNTRY: US.A.
ZIP: 90071
COMPUTER READBLE FORM:
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLUM TYPE: BLOCKEGGE

COMPUTER: BLOCKEGGE

SOFTWARE: PRACESCO Veraion 1.5

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,634

FLING DATE: 05-WAY-1995

CLASSIFICATION NUMBER: 08/390,850

FILING DATE: February 17, 1995

APPLICATION NUMBER: 08/354,920

FILING DATE: February 17, 1995

APPLICATION NUMBER: 08/354,920

FILING DATE: December 13, 1994

APPLICATION NUMBER: 08/352,487

FILING DATE: December 13, 1994

APPLICATION NUMBER: 07/399,848

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:
NAME: WARDLEY RICHARD

NAME: WARDLEY RICHARD

REGISTRATION NUMBER: 32,327
        No. 5612215ember 12, 1993
                          APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/084
TELECOMMUNICATION: (213) 489-1600
TELEPAN: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 535, Application US/08435634 Patent No. 5731295 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1589 AAGAACAGAATTGCTCC 1605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Draper, Kenneth G. APPLICANT: Pavco, Pamela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 AAGAACAGAATTTCTCC 1
                                                                                                                                                                                                                                                                                TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-435-634-535/c
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US-08-390-850-535
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Score 14.8; DB 1; Length 18; Pred. No. 63;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Paoletti, Enzo
APPLICANT: Paoletti, Enzo
APPLICANT: Perkus, Marion E.
APPLICANT: Taylor, Jill
APPLICANT: Taylor, Jill
APPLICANT: Taylor, Jill
APPLICANT: Taylor, Jill
APPLICANT: Riviere, Michel
APPLICANT: Riviere, Michel
APPLICANT: Garande, Charles
APPLICANT: Johnson, Gerard P.
APPLICANT: Johnson, Gerard P.
APPLICANT: Pincus, Steven E.
APPLICANT: Pincus, Steven E.
APPLICANT: Audonnet, Jean-Christophe Francis
APPLICANT: Gettig, Russell Robert
TITLE OF INVENTION: STRAIN
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS: 467
Annescepen. Carrier Marcie, Carteria
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOGTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/709,209
FILING DATE: 21-AUG-1996
CLASSIPICATION: 424
CLASSIPICATION NAMER: US 08/105,483
FILING DATE: 12-Aug-1992
APPLICATION NUMBER: US 07/847,951
FILING DATE: 06-MAR-1992
ATTORNEY/AGENT INPORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REGISTRATION NUMBER: 25,206
REGISTRATION NUMBER: 25,506
REGISTRATION NUMBER: 21,000
TELEFAX: (212) 840-333
TELEFAX: (212) 840-333
TELEFAX: (212) 840-333
TELEFAX: (212) 840-333
TYPE: nucleic acid
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
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ADDRESSEE: C/O William S. Frommer
STREET: S30 Fifth Avenue
CITY: New York
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-458-101-280/c; Sequence 280, Application US/08458101; Patent No. 576659 d; GENERAL, INFORMATION; APPLICANT: Paoletti, Enzo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              222 CTCATAGAAAAAAA 239
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Best Local Similarity 88.9%;
Matches 16; Conservative
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US-08-709-209-280
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US-00-709-280/c
; Sequence 280, Application US/08709209
; Patent No. 5762938
; GENERAL INFORMATION:
    TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
; TITLE OF INVENTION: STRAIN
; NUMBER OF SEQUENCES: 462
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: Cutis, Morris & Safford
ADDRESSEE: Coviiliam S. Frommer
STREET: 530 Fifth Avenue
CITY: New York
STATE: NY
                                                                                                                                                         US-US-1US-483-280/C

Sequence 280, Application US/08105483

Patent NO. 5494807

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: STRAIN
WINDERS OF SEQUENCES: 462
CORRESPONDENCES: 462
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford
CITY: New York
STREET: 10036
CUNTRY: USA
ZIP: 10036
COMPUTER: ENAPABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Enaper Compatible
COMPUTER: 12-406-1993
FILING DATE: 06-WAR-1992
ATTORNEY AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 10036
COMPUTER READABLE FORM:
                                                                                                                              RESULT 96
US-08-105-483-280/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-105-483-280
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Gaps
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                                                                                                          Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 63; Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Gustofson, James
APPLICANT: Gustofson, John
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION OF TREATMENT
TITLE OF TREATMENT
TIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IndelB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Storage
COMPUTER: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTESO Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,850
FILING DATE: February 17, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/152,487
FILING DATE: NO. S612215ember 12, 1993
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14.4; I 93.8%; Pred. No. 65; Itive 0; Mismatches
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TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (7-25-7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 536, Application US/08390850; Patent No. 5612215
                                                                                                                                                                                                                                            1121 GCTGGAGCAGCTGAACGA 1138
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INFORMATION FOR SEQ ID NO: 536: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 21:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1589 AAGAACAGAATTGCTC 1604
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Best Local Similarity 93.8'
15, Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                       , TOPOLOGY: linear
US-08-758-306-953
                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 100
US-08-390-850-536/c
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US-08-390-850-536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 99
US-08-758-306-953/C
US-08-758-306-953, Application US/08758306
; Ratent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: MCSWiggen, James A.
FILING DATE: U1-U-U-U-ULASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2740
TELECOMUNICATION INFORMATION:
TELEPHONE: (212) 840-3733
TELEFAX: (212) 840-3733
TELEFAX: (212) 840-3712
INFORMATION FOR SEQ ID NO: 280:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANBENESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: TREATMENT OF DISEASES TITLE OF INVENTION: ASSOCIATED WITH TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIGEAL SELLCE
CUITY: LOS ADGELES
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FasteSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FILING DATE: December 3, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         E: Lyon & Lyon
633 West Fifth Street
Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: December 3, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: NTORMATION:
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,327
REFRENCE/DOCKET NUMBER: 212/;
TELECOMMUNICATION INFORMATION:
TELECHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        222 CTCATAGAAAAAACAAAC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 953:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18 CTAATAGAAAAACCAAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-458-101-280
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: FRANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARK
ITTLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR PEDLICATION NUMBER: US 60/207,456
PRIOR PELLOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-04
PRIOR FILING DATE: 2001-01-30
PRIOR PELLORATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOLD TITLE OF INVENTION: BLOSYNTHESIS PATHWAY FILE REFERENCE: 4859-0027-0 CURRENT APPLICATION NUMBER: US/09/282,146A CURRENT FILING DATE: 1999-03-31 EARLIER APPLICATION NUMBER: JP 10-125171 EARLIER PILING DATE: 1998-03-31 NUMBER OF SEQ ID NOS: 13 SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 7 LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-282-146-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 14.4; 1
93.8%; Pred. No. 65;
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Patent No. 6686188
SEQ ID NO 8352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 103
10S-09-866-108A-8352/c
; Sequence 8352, Application US/09866108A
; Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1104 CTCAACACCTCCTCT 1119
                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 CTCAACAACTCCTCT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 93.8
Matches 15; Conservative
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                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Gustofson, James
APPLICANT: Gustofson, John
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
INVERSE OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Sal West Pifth Street
STREET: Galfornia
COUNTRY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/390,850
FILING DATE: February 17, 1995
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/152,487
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; D
93.8%; Pred. No. 65;
iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: BM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,634
FILING DATE: OS-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Warburg, Richard
REGIGSTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/084
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 536: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                    Sequence 536, Application US/08435634 Patent No. 5731295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/09282146A
Patent No. 6303847
GENERAL INFORMATION:
APPLICANT: KAWACKA, AKIYOShi
APPLICANT: EBINUMA, Hiroyasu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1589 AAGAACAGAATTGCTC 1604
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Best Local Similarity 93.6.
Thea 15; Conservative
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                                 RESULT 101
US-08-435-634-536/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-435-634-536
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APPLICANT: SHANDON, MAZ'K
TITLE OF INVENTION: MYGOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                            CURRENT PELICATION NUMBER: US/09/866,108A

CURRENT PELING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-10-62

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REPERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER 18/09/866,108A
CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 14.4;
Pred. No. 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Acomica Sequence Listing Engine atent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 8667, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION:
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-09-866-108A-8665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 15; Conserv
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SEQ ID NO 8665
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PPLICANT: RANK, David R.
PPLICANT: GRANNON, Mark
PLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                      Gaps
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                                      Indels
                                          1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE KEFRENCATION NUMBER: US/09/866,108A CURRENT PEDLICATION NUMBER: US 60/207,456 PRIOR APPLICATION NUMBER: US 60/207,456 PRIOR PELLING DATE: 2001-05-25 PRIOR APPLICATION NUMBER: US 60/207,456 PRIOR PELING DATE: 2000-10-04 PRIOR PELING DATE: 2000-10-04 PRIOR PELING DATE: 2000-10-04 PRIOR PELING DATE: 2001-01-30 PRIOR APPLICATION NUMBER: PCT/US01/00667 PRIOR APPLICATION NUMBER: PCT/US01/00667 PRIOR PELING DATE: 2001-01-30 
                                  0; Mismatches
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   Pred. No. 65;
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
Petent No. 6686188
SEQ ID NO 8353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.4;
Pred. No. 6
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FREART NO. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PRNK, Sharron G.
APPLICANT: RANK, Sharron G.
APPLICANT: RANK, David K.
                                                                                                                                                                                                                                                                                                                                                                   Sequence 8353, Application US/09866108A Patent No. 6686188
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93.8%;
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Best Local Similarity 93.8%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: AEOMICA-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 CAGCTCCTCCT
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US-09-866-108A-8353/c
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Length 17; Indels

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Ouery Match
0.9%; Score 14.4; D
Best Local Similarity 93.8%; Pred. No. 65;
Matches 15; Conservative 0; Mismatches
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SOFWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 10038
                                                                                                                                                                                                                                                                                                                                                                      US-09-866-108A-10038/c
; Sequence 10038, Application US/09866108A
; Patent No. 6686188
                                                                                                                                                      715 CCCGCATCGTCCGCAG 730
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US-09-866-108A-10038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-117-952-797/c
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PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-01-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PLING DATE: 2001-01-30

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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                     PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
PATENT A MOSTICA SEQUENCE Listing Engine
PRIOR FILING DATE: 2001-01-30
SOFTWARE: A meomica Sequence Listing Engine
SEQ ID NO 8667
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93.8%; Pred. No. 65;
iive 0; Mismatches
               APPLICATION NUMBER: PCT/US01/00669
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HNZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108A-8667
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COGGANISM: Homo sapiens
US-09-866-108A-10037
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Best Local Similarity
Matches 15; Conserv
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Patent No. 666618 9

GENERAL INFORMATION

APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: HINE STATON G.

APPLICANT: HINE STATON G.

APPLICANT: HINE STATON G.

APPLICANT: HANEL, David K.

APPLICANT: RANK, David R.

APPLICANT: GHO, Wensheng

APPLICANT: GHO, Wensheng

APPLICANT: GHO, Wensheng

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7

CURRENT FILING DATE: 2001-06-25

FRIOR PELICATION NUMBER: US 60/207,456

FRIOR APPLICATION NUMBER: US 60/236,359

FRIOR APPLICATION NUMBER: PCT/US01/00666

FRIOR APPLICATION NUMBER: PCT/US01/00666

FRIOR PELING DATE: 2001-01-30

FRIOR PELING DATE
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DB 1; Length 17;
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                                                                                     Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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0.9%; Score 14.4;
Best Local Similarity 93.8%; Pred. No. 65
Matches 15; Conservative 0; Mismatche
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Patent No. 5851760
GENERAL INFORMATION:
APPLICANT: Evans, Glen A.
APPLICANT: Smith, Michael W.
TITLE OF INVENTION: METHOD FOR GER
TITLE OF INVENTION: SAMPLED MAPS (
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Sequence 25, Application US/08599455B
Sequence 25, Application US/08599455B
Sequence 25, Application US/08599455B
Select No. 597261
GENERAL INFORMATION:
APPLICANT: Tepper, Louis A.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT
TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 17;
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ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDLIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: TESTER WINDOWS95
SOFTWARE: FASTER WINDOWS95
SOFTWARE: FASTER OF WINDOWS VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,455B
FILING DATE: 22-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/59,153
APPLICATION NUMBER: 08/50,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 13.8; D
Best Local Similarity 47.1%; Pred. No. 80;
Matches 8; Conservative 7; Mismatches
                                                                                                                         FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY AGENT INFORMATION:

NAME: WATCHING NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 212/132

TELEPHONE: (213) 955-0440

TELEPHONE: (213) 955-0440

TELEPHONE: (7-3510

INFORMATION FOR SEQ ID NO: 467:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TENGTH: 17 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Meiklejohn, Ph.D., Anita L. REGISTRATION NUMBER: 35,283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AFFLING DATE: 27-NOV-1995
ATTORNEY AGENT INFORMATION:
       FastSeq Version 1.5
CATION DATA:
                                                                                                December 3, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               693 CCTCACTTCTTTCC 709
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY:
US-08-758-306-467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-599-455B-25
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                                                                                                               CITY:

STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EMB PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/117,952
FILING DATE: 07-SEP-1993
FILING DATE: 15-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Release #1.92
REGISTRATION NUMBER: 91,92
REGISTRATION NUMBER: 31,192
RE
NUMBER OF SEQUENCES: 797
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH
TITLE OF INVENTION: INTERLUKIN-2 RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 467, Application US/08758306
Patent No. 5807743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1520 CCCCAACTCCGCCCAG 1535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18 CCCTAACTCCGCCCAG
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US-08-758-306-467
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                                                                                                DB 1; Length 17;
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                                                                                                                                                                                                                                                                                                            US-08-474-700B-21/C

1 Sequence 21, Application US/08474700B

2 Sequence 21, Application US/08474700B

3 Fatent No. 601990

3 FATENCE OF SEQUENCE OF SEQUENCES: 45

3 CORRESPONDENCE ADDRESS:
                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                             Score 13.8; DE
Pred. No. 80;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTY: U.S.A.

ZIE: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B
FILING DATE: 07-JUN-1995
PRIOR APPLICATION NUMBER: 08/240,382
FILING DATE: 10 May 1994
ATPORNEY/AGENT INFORMATION:
REFIRENCE/DOCKET NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 00786/279001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHANGE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match

0.8%; Score 13.8; I Best Local Similarity 88.2%; Pred. No. 80; Mentches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Fish & Richardson P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 114
US-08-757-024-874/c
US-08-757-024, Application US/08757024
; Sequence 874, Application US/08757024
; Patent No. 602533
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
                                                                                                                                                                                    660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                        1 CACTATTTGCCCTTCAG 17
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                                                                                             0.8%;
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                                                                                           Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 225 Franklin
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: singl
    ; TOPOLOGY: linear; MOLECULE TYPE: DNA
US-08-599-4558-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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| Patent No. 5972621
| GENERAL INFORMATION:
| APPLICANT: Tartaglia, Louis A. APPLICANT: Tartaglia, Louis A. APPLICANT: Tepper, Robert I. APPLICANT: Culpepper, Janice A. TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR NUMBER OF SEQUENCES: 44
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street
| CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTRY: US

ZIP: 02110-2804

COMPUTRY: READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windowssystem
OPERATING SYSTEM: Windowssystem
OPERATING SYSTEM: Windowssystem
SPELICATION NUMBER: US/08/599,455B
FILING DATE: 22-AN-1996
APPLICATION NUMBER: 08/570,142
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,622
APPLICATION NUMBER: 08/56,623
APPLICATION NUMBER: 08/56,633
ATORNEY/AGENT INFORMATION:
NAME: Mekklejohn, Ph.D. Amita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELEPHONE: 617-542-5070
REFERENCE/DOCKET NUMBER: 07334/017001
              TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                   660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CACTATTTGCCCTTCAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEK: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-599-4558-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ž
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Gaps

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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                        DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTER READABLE FORM:
MEDIUM TYPE: Diskette COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette COMPATIBLE COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPATIBLE COPERATING SYSTEM: Windows95
SOFTWARE: PAREISO COT Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/64,564
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/59,465
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
APPLICATION NUMBER: US 08/566,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/566,622
APPLICATION NUMBER: US 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/566,622
                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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APPLICATION NUMBER: US 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/082001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                      0.8%; Score 13.8;
88.2%; Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Fish & Richardson, P.C.
225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 25, Application US/09069781B Patent No. 6287782
                                                                                                                                                                                                                                                                                                                                                                                                                              1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 eccelecerereceee 1
TELEFAX: 912
TELEFAX: 912
TELEX: 575102
; INFORMATION FOR SEQ ID NO: 94
; SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
LENGTH: 17 base pairs
TENGTH: 17 base pairs
TENGTH: 17 base pairs
        919-881-3140
919-881-3175
                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDAL.
STREET: 22.
-TV: Boston
                                                                                                                                                                                                                                                                    US-08-757-024-944
                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: SIDIAY, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELEFAX: 919-881-3175
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA WHOER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSERE: BLL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 34009
CITY: Charlotte STATE: No. 6025339th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATE: Nyce, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 34009
CITY: Charlotte
STATE: No. 6025339th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
PIPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
0.8%; Score 13.8;
Best Local Similarity 88.2%; Pred. No. 80
Matches 15; Conservative 0; Mismatche
                                                                                                                                                                                                           ZIP: 28234
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
CMEDUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-757-024-944/c

Sequence 944, Application US/08757024

Patent No. 6025339

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1530 GCCCAGCCTCTCCCCGC 1546
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REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-757-024-874
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NTTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleic acid
EDNESS: single
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APPLICANT: Pavco, Pamela
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.
                                                                                                                                                                                                                                                                                                                                                                                              Score 13.8; DB 1;
Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Los Angeles
COUNTY: Los Angeles
STATE: California
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STORAGE
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: BACORAGE
COMPUTER: BACORAGE
COMPUTER: BACORAGE
COMPUTER: BACORAGE
SOFTWARE: WORD PERCE 5.1
CURRENT APPLICATION NUMBER: 02/005,974
FILING DATE: OCTOBER 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: MATDELS COCTOBER 26, 1995
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-584-040-7759; Sequence 7759, Application US/08584040; Patent No. 6346398; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 cácrarrriccirrcag 17
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                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%;
Best Local Similarity 88.2%;
Matches 15; Conservative
(617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LECCRETCH (213) = TELEPHONE: (213) 955-0440
                                                            TELEX: 200154
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ 1D NO:
SEQUENCE CHARACTERISTICS:
                                   (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 base pairs
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-584-040-7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                         US-09-069-781B-27
                                          TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Tarleagia, Louis A.
APPLICANT: Tarleagia, Louis A.
APPLICANT: Tarleagia, Louis A.
APPLICANT: Tupper, Robert I.
APPLICANT: Culpeper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 17;
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ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
CORFUTER: IBM Compatible
COPERATING SYSTEM: Windows95
SOFTWARE: FastERG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,781B
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/84,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/64,564
FILING DATE: 28-MAY-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: US 08/59,465
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/569,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 104-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 104-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: MAKINEY/AGENT INFORMATION:
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REBERRINGE/DOCKET NUMBER: 07334/082001
REBERRING DATE: 135,283
                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; D
88.2%; Pred. No. 80;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 27, Application US/09069781B Patent No. 6287782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CACTATTTGCCCTTCAG 17
                 (617) 542-5070
(617) 542-8906
              TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INPORMATION FOR SEQ ID NO: 25
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                TOPOLOGY: linear

MOLECULE TYPE: DNA

US-09-069-781B-25
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STATE: MA
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Query Match

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APPLICANT: TETAGOLIS A.
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Figh & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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88.2%; Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COURTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: RestSEG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-AUG-1998
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-PAR-1997
APPLICATION NUMBER: 08/708,123
APPLICATION NUMBER: 08/638,524
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/539,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/560,663
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/560,663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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                                                                                                                       Sequence 25, Application US/09137132 Patent No. 6380363 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 0733.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-8906
TELERAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                            B: Fish & Richardsc
225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Boston
                                                                                                    US-09-137-132-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-137-132-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
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0.8%; Score 13.8; DB 1; Length 17; ilarity 64.7%; Pred. No. 80; Conservative 4; Mismarchon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Skokut, Thomas ...
APPLICANT: Young, Scott A.
APPLICANT: Young, Scott A.
APPLICANT: Folkerts, Otto
APPLICANT: Folkerts, Otto
APPLICANT: MARIO, Donald J.
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Pifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
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Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIPICATION BATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
AND STORMEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                   Edington, Brent E.
McSwiggen, James A.
McMolo, Patricia Ann Owens
Guo, Lining
Skokut, Thomas A.
Young, Scott A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (713) 955-040
INFORMATION FOR SEQ ID NO: 687:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                            Sequence 687, Application US/08679645
Patent No. 6350934
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1229
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1213 TGGCTTCCCACACTICT
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                              Best Local Similarity
Matches 11, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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US-08-679-645-687/c
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Sequence 217 Application US/08864564A

Sequence 257 Application US/08864564A

Bartent No. 6395498

GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSES: Fish & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLION TYPE: DIRECTE COMPATIENE COMPATER: DIRECTE COMPATERE CONTRACT CONTR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   660 CACTACCTGCCCTTCAG 676
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Best Local Similarity 88.2
Matches 15, Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: US
ZIP: 02110-2804
    JS-08-864-564A-25
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             Sequence 27, Application US/09137132
| Patent No. 6380363 |
| GENERAL INFORMATION: |
| APPLICANT: Tartaglia, Louis A. |
| APPLICANT: Tepper, Nobert I. |
| APPLICANT: Tepper, Janice A. |
| APPLICANT: Tepper, Janice A. |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
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| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, |
| TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF THE DISORDERS OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSRQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-AUG-1998
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 23-SEP-196
APPLICATION NUMBER: 08/599,455
FILING DATE: 2-JAN-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,465
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 37-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Amita L.
REGISTRATION NUMBER: 35,281
NAME: NON-THENDERT NUMBER: 07-334/119004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.8%; Score 13.8; C
88.2%; Pred. No. 80;
iive 0; Mismatches
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                660 CACTACCTGCCCTTCAG 676
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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Best Local Similarity
Matches 15; Conservi
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STATE: M
COUNTRY:
US-09-137-132-27
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Score 13.8; DB 1; Length 17;
Pred. No. 80;
0; Mismatches 2; Indels
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CACTATTTGCCCTTCAG 17

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Application US/09094410
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                           Sequence 77, Application US/08864564A
| Sequence 77, Application US/08864564A
| Sequence 77, Application US/08864564A
| Patent No. 6355498
| GENERAL INFORMATION:
| APPLICANT: Tartaglia, Louis A.
| APPLICANT: Culpepper, Janice A.
| APPLICANT: White, David W.
| TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,564A
FILING DATE: 28-MAY-1997
PRICK APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN 1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN 1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 3-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,63
PILING DATE: 3-D-NOY-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 3-D-NOY-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 3-D-NOY-1995
ATTOMNEY/AGENT INFORMATION:
NAME: Maiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 07:334/1902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 13.8; Di
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
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617-542-8906
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
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US-08-864-564A-27
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                              US-08-864-564A-27
                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Bos
STATE: MJ
COUNTRY:
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Tartaglia, Louis A.

APPLICANT: Tartaglia, Louis A.

APPLICANT: Tartaglia, Louis A.

APPLICANT: Culpeper, Janice A.

APPLICANT: White, David W.

TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR

TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,

TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA

NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

CHIY: BOSTON
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,410
FILING DATE: 09-UNU-1998
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/864,564
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/709,123
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/639,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 08-DEC-1995
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Pred. No. 80;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
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RESULT 125 US-09-094-410-27

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RESULT 124 US-09-094-410-25

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Sequence 25, Application US/08708123D
Patent No. 6482927
GENERAL INFORMATION:
APPLICANT: Tarraglia, Louis A.
APPLICANT: Tarraglia, Louis A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTY: US
ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette COMPUTER: Diskette Diskette COMPUTER: Diskette Disket
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US-08-708-123D-27
; Sequence 27, Application US/08708123D
; Patent No. 6482927
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Boston
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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                                                                                                              APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janica A.
APPLICANT: White, David W.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DAGROSIS AND METHODS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ó
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88.2%; Pred. No. 80;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRATING SYSTEM: Windows95
SOFTWARE: FasteEG for Windows95
SOFTWARE: FasteEG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,410
FILING DATE: 09-JUN-1998
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 28-MAY-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,465
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 37-283
TELESPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                Sequence 27, Application US/09094410 Patent No. 6403552 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                660 CACTACCTGCCCTTCAG 676
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Best Local Similarity 88.2.
Local 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Boston
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US-08-708-123D-25
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Gaps

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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
TITLE OF INVENTION: OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 41
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
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FITLE OF INVENTION: OBESITY AND CACHEXIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8;
Pred. No. 80
                                                                                                                                                                                                                                                                      OPERATING SYSTEM: DOS
SOFTWARE: FASTES OF VETEIN 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
PRIOR APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 37-383
FILING DATE: 37-NOV-1995
ATCANEY/AGENT INFORMATION:
REGISTRATION NUMBER: 35,283
REGERENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELEFRONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07334/016001
                   NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Tichardson P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 27, Application US/08583153A Patent No. 6506877 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                          COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 02110-2804
                                                                                                              Boston
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tapper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
       Culpepper, Janice A.
White, David W.
VENTION: THE OB RECEPTOR AND METHODS FOR
VENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
VENTION: INCLUDING OBESITY AND CACHEXIA
EQUENCES: 50
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                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/638,524
FILING DATE: 25-APR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 7-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 7-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 7-NOV-1995
APPLICATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REGISTRATION INFORMATION: NAMER: MARKEJOHN, Ph.D., Anita L.
REGISTRATION INFORMATION: TELEPHONE: 610-542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 13.8; DB
Pred. No. 80;
0; Mismatches
                                                             TITLE OF INVENTION: THE OB RECEPTOR, TITLE OF INVENTION: THE DIAGNOSIS AN TITLE OF INVENTION: INCLUDING OBESIT NUMBER OF SEQUENCES: 50 CORRESPONDENCE ADDRESSS: CORRESPONDENCE ADDRESSS: STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 25, Application US/08583153A Patent No. 6506877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            660 CACTACCTGCCCTTCAG 676
Tepper, Robert I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%;
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617-542-8906
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 88.2'
Matches 15; Conservative
                                                                                                                                                                                                                                                                                            ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , MOLECULE TYPE: DNA
US-08-708-123D-27
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STATE: MA
COUNTRY:
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Gaps

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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Culpepper, Sanice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OB TITLE OF INVENTION: CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
STREET: 225 Franklin Street
CITY: Boscon
STATE: MA
COUNTRY: US
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches 2; Indels
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21P: 0210-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,524B
FILING DATE: 26-APR-1996
FILING DATE: 26-APR-1996
                                                  FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
APPLICATION NUMBER: 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: MARIA HONDER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELEPHONE: 617-542-6770
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/593,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/569,485
APPLICATION NUMBER: 08/569,485
APPLICATION NUMBER: 08/569,485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 27, Application US/08638524B Patent No. 6548269 GENERAL INFORMATION:
                                     08/570,142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        660 CACTACCTGCCCTTCAG 676
          28-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 200154
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
HOLECULE TYPE: DNA
US-08-638-5248-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS-08-638-524B-27
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Sequence 25, Application US/08638524B

Patent No. 6548269

GENERAL INFORMATION:

APPLICANT: Tartaglia, Louis A.

APPLICANT: Culpeper, Robert I.

APPLICANT: Culpepper, Janice A.

APPLICANT: White, David W.

ITILE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OF

TITLE OF INVENTION: CACHEXIA

NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match

0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches 2; Indels
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MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: DEM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FRSESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,524B
FILING DATE: 26-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/599,153
               OPERATING SYSTEM: ODS
OSCIWARE: FascESC Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
PRIOR APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 01-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REPRERENCE/DOCKET NUMBER: 35,283
REPRENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              07334/016001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  660 CACTACCTGCCCTTCAG 676
IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: DNA US-08-583-153A-27
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US-08-638-524B-25
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE REFERENCE: MEHBOO, 876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,7728
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
PRIOR PILING DATE: 1995-10-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
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Pred. No. 80;
3; Mismatches
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Patent No. 6686188
SEQ ID NO 1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-866-108A-1895/c
; Sequence 1895, Application US/09866108A
; Patent No. 6686188
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1 CUCCUGGCUGGAGCCGC 17
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Best Local Similarity 70.6
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4182
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; ORGANISM: Homo sapiens
US-09-866-108A-1895
                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 4182
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Best Local Similarity 64.7%; Pred. No. 80;
Matches 11; Conservative 4; Mismatches 2. Trans
                                                                                                         NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/018001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEPHONE: 617-542-6906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3543, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
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APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam APPLICANT: RCSWiggen, Jim
                       APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1112 CTCCTCCTTGCTGGAGC 1128
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04-DEC-1995
                                                                                                                                                                                                                                                                       TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA US-08-638-5248-27
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; ORGANISM: Mus sp.
US-09-371-772B-3543
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US-09-371-772B-4182
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CURRENT PRILIGATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PELING DATE: 2000-06-26

PRIOR PELING DATE: 2000-10-04

PRIOR PELING DATE: 2000-10-04

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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DB 1; Length 17;
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88.2%; Pred. No. 80;
tive 0; Mismatches
0.8%; Score 13.8; E
88.2%; Pred. No. 80;
iive 0; Mismatches
                                                                                                                                                                                                                                                                    RESULT 135
US-09-866-108A-2643/C
Sequence 2643, Application US/09866108A
PERCHT NO. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JU, Yongang
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7355, Application US/09866108A
Patent No. 6686188
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                                                                                                                              93 GAGAGTGGGCAGGTCCT 109
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                            17 GAGAGAGGCCAGGTCCT
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Best Local Similarity 88.2°
15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RANK, David R. CHEN, Wensheng
                                                                    15; Conservative
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US-09-866-108A-2643
                                Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-866-108A-7355
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APPLICANT:
             Query Match
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US-09-866-108A-7485/c

US-09-866-108A-7485/c

US-09-866-108A-7485/c

US-09-866-108A-7485, Application US/09866108A

Patent No. 6686188

GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHARNON, MARK
ITILE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ITILE OF INVENTION: WASIN-LIKE GENE EXPRESSED IN HUMAN HEART AND CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-25
CURRENT PELLING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PELLING DATE: 2000-09-07
PRIOR PELLING DATE: 2000-09-07
PRIOR PELLING DATE: 2000-10-04
PRIOR PELLING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: STANNON: MAXF
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-00-9-27
PRIOR PILING DATE: 2000-00-9-27
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DA
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Pred. No. 80;
0; Mismatches 2;
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Best Local Similarity 88.2%;
Matches 15; Conservative
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US-09-866-108A-7355
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APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: STANNON, MAEK
TITLE OF INVENTIONS, MCSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT PAPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR PLILING DATE: 2000-10-65-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-09-27
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PLILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELING DATE: 2001-01-30
PRIOR PELI
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                                                                                                               Length 17;
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                                                                                                                                                                                                                                     0, Mismatches
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                                                                                                         Score 13.8;
Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8;
88.2%; Pred. No. 8
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                                                                                                                                                                                                                                                                                                                                                           292 AGGATGCCCTAAATGAG 308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  267 CTAGAAGAAGCCAAGAA 283
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HANZEL, David K.
                                                                                                               Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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APPLICANT: JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 15; Conserv
US-09-866-108A-8568
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US-09-866-108A-8568
Sequence 8568, Application US/09866108A
Sequence 8568. Application US/09866108A
GENERAL INFORMATION:
APPLICANT: GU, Youngang
APPLICANT: PENN, Sharron G.
APPLICANT: HANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, MARK
APPLICANT: SHANNON, MASK
APPLICANTENT: SHANNON, MASK
APPLICANTENT: SHANNON, MASK
APPLICANTENT: SHANNON, MASK
APPLICANTENT: SHANNON, MA
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CURRENT PILING DATE: 2001-05-25

PRIOR PELING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-27

PRIOR PILING DATE: 2000-05-27

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
                                     PRICK FILING DATE: 2001-01-30
PRICK APLICATION NUMBER: PCT/US01/00669
PRICK APPLICATION NUMBER: PCT/US01/00665
PRICK PLING DATE: 2001-01-30
PRICK PLING DATE: 2001-01-30
PRICK APPLICATION NUMBER: PCT/US01/00668
PRICK APPLICATION NUMBER: PCT/US01/00668
PRICK PILING DATE: 2001-01-30
PRICK PRICK DATE:
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APPLICATION NUMBER: PCT/US01/00664
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Best Local Similarity 88.2'
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-7485
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ORGANISM: Homo sapiens
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SEQ ID NO 7485
LENGTH: 17
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FILING DATE: 2001-01-30
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Sequence 8663, Application US/09866108A

Patent No. 6686188

GENERAL INFORMATION:
APPLICANT: GIV, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, David K.
APPLICANT: PENN, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wark
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207, 456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-07

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2001-01-30
                                         APPLICANT: HANZEL, DATA K.
APPLICANT: HANZEL, DATA K.
APPLICANT: RANK, DATA R.
APPLICANT: RANK, DATA R.
APPLICANT: SHANNON, MARK
APPLICANT: SHANNON, MARK
TITLE OF INVENTION WOOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE REFERENCE: ADDILOS-25
CURRENT TAILNED DATE: 2001-05-26
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-00-27
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-00-27
PRIOR PELICATION NUMBER: PCT/US01/0066
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-01-30
PRIOR FILING DATE: 2001
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                PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PLILING DATE: 2001-01-30
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
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APPLICANT: CHEN, Wenshenger,
APPLICANT: CHEN, Wenshenger,
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HVOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: NOWBER: US/09/866,108A
CURRENT FILING DATE: 2000-10-65-25
PRIOR PILING DATE: 2000-10-65-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-10-60-26
PRIOR PILING DATE: 2000-10-60-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-01-30
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NUMBER OF SEQ ID NOS: 15755
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Pred. No. 80;
0; Mismatches
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Patent No. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yazhong
APPLICANT: DENN, Sharron G,
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                            RANK, David R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
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US-09-866-108A-9687/C
; Sequence 9687, Application US/09866108A
; Patent No. 666618
; GENERAL INFORMATION:
; APPLICANT: UI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: RANZEL, David K.
; APPLICANT: RANZEL, David R.
; APPLICANT: RANZEL, David R.
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MOSTN.
; TITLE OF INVENTION: MOSTN.
; TITLE OF INVENTION: MOSTN.
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PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
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                                                                                                     Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
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CURRENT FILING DATE: 2001-05-25
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Patent No. 6686188
SEQ 1D No 9687
LENCTH: 17
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'Sequence 9688, Application US/09866108A

; Patent No. 6686188

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                   271 AAGAAGCCAAGAAGAAG 287
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: AEOMICA-7
; ORGANISM: Homo sapiens
US-09-866-108A-8664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-866-108A-9687
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Indels

APPLICANT: HANDEL, David K.
APPLICANT: HANDEL, David K.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ADOMINGA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-90-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666

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RESULT 148
US-09-093-972C-944/C
US-09-093-972C-944, Application US/09093972C
; Sequence 944, Application US/09093972C
; Patent No. 6825174
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY (IES) & INFLAMMATION
                                                COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
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                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE:
FILING DATE:
PRIOR APPLICATION: CUNKNOWN>
PRIOR APPLICATION: CUNKNOWN>
PRIOR APPLICATION MATA:
                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: BFIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8; E
88.2%; Pred. No. 80;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE DESCRIPTION: SEQ ID NO: 874:
                         APPLICANT: Nyce, Jonathan W. TITLE OF INVENTION: COMPOSITION,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPAX: 413-254-9245
TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 874:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                    SEQUENCES: 996
                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GCCCAGCCTGTGCCCGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.83
Best Local Similarity 88.23
Matches 15, Conservative
GENERAL INFORMATION:
                                                                                                                                                    NUMBER OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-093-972C-874
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jaim
APPLICANT: Stinchcomb, Jaim
APPLICANT: Stinchcomb, Jaim
APPLICANT: Stinchcomb, Jaim
APPLICANT: Becobedo, Jaime
APPLICANT: Becobedo, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
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                                                                                                                                                                                                                                                                                                                                                                          See File Wrapper or PALM.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
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                PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.8; DE; Pred. No. 80; 0; Mismatches
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Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3543, Application US/09685664B
Patent No. 6818447
APELICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
   APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 147
2.09-093-972C-874/c
; Sequence 874, Application US/09093972C
; Patent No. 6825174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 GGGAGAGTGGGCCAGTC 1
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SOFWARE: Patentin version 3.0
SEQ ID NO 3543
LENGTH: 17
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nilarity 64.7%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mus musculus
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US-09-685-6648-3543
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2; Indels
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COMPUTER: IN COMPATIBLE
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
CLASSIPICATION DATA:
PRIOR APPLICATION NUMBER: 09/245,466
FILING DATE: DECEMBER: 07/987,132
FILING DATE: DECEMBER 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRAATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RIBASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 470
CITY: Los Angeles
STATE: California
FILING DATE: 10 May 1994
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30.162
REFERENCE/DOCKET NUMBER: 00786/221001
TELECOMMULICATION INFORMATION:
TELEPAX: (617) 542-5070
TELEPAX: (617) 542-8906
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 13.8;
Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 160, Application US/08291932A; Patent No. 5658780; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            222 CTCATAGAAAAACAAA 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.8%;
Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 CTCAAAGAAAACCAAA 1
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67-3510
                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
PCT-US95-05812-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-291-932A-160
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   COMPUTER READMELE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/093,972C

FILING DATE: 09-Jun-1998

CLASSIFCATION: «Unknown»

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/472,527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 149
PCT-US95-05812-21/C
Sequence 21, Application PC/TUS9505812
GENERALI INFORMATION:
APPLICANT: Wakita, Takaji
APPLICANT: Wakita, Takaji
APPLICANT: Wands, Jack
TILLE OF INVENTION: ANTISENSE INHIBITION OF
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSE: ADDRESSE:
ADDRESSE: ADDRESSE:
CONTRY: U.S.A.
STREET: 225 Franklin Street
COUNTRY: U.S.A.
CONDUTRY: U.S.A.
TIP: 02110-2804
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: WORDPERFECT
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: WORDPERFECT
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: WORDPERFECT
COMPUTER: IBM PS/2 MODEL 501
SOFTWARE: MORDPERFECT
COMPUTER: DATE MORDPERFECT
COMPUTER MORDPERFECT
COMPUTER MORDPERFECT
COMPUTER MORDPERFECT
COMPUT
                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 944:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 413-254-9245
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 88.23
Matches 15; Conservative
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
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Query Match
TYPE: DNA
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APPLICANT: Kinzler, Kenneth
APPLICANT: Kinzler, Kenneth
APPLICANT: Chang, Lin
APPLICANT: Zhou, Wei
ITILE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
ITILE OF INVENTION: Gancer Cells
ITILE OF INVENTION: Gancer Cells
FILE REFERENCE: 0.1107.74664
CURRENT APPLICATION NUMBER: US/09/081,646
CURRENT FILING DATE: 1998-05-20
EARLIER RILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 871
SOFTWARE: FeatSEQ for Windows Version 3.0
; SEQ ID NO 174
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Description of Artificial Sequence:other nucleic; OTHER INFORMATION: acid
US-09-180-437-151
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 71;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                           Length 15;
                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                               US-09-180-437-151/c
| Sequence 151, Application US/09180437
| Patent No. 6251873
| GENERAL INFORMATION:
| APPLICANT: FUKUSARO, Shioji
| APPLICANT: WORSTANA, Yoshifumi
| APPLICANT: MORISANA, Yoshifumi
| APPLICANT: MOSUYANA, Takesh
| TITLE OF INVENTION: Antisense Compounds to CD14
| FILE REFERENCE: 1110-209P
| CURRENT APPLICATION NUMBER: US/09/180, 437
| CURRENT APPLICATION NUMBER: PCT/JP98/00953
| BARLIER PILING DATE: 1998-11-06
| BARLIER PILING DATE: 1997-03-07
| NUMBER OF SEQ ID NOS: 289
| SEQ ID NO 151
| LENGTH: 15
                                                                                                                                                                        / Match 0.8%; Score 13.4; DB 1; Docal Similarity 86.7%; Pred. No. 71; Pred. 13; Conservative 1; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 174, Application US/09081646
Patent No. 6333152
GENERAL INFORMATION:
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    ; INFORMATION FOR SEQ ID NO: 1
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDENESS: single
; TOPOLOGY: linear
US-08-291-932A-160
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Sequence 75, Application US/09736116
| Patent No. 6727085
| Patent INCORMATION:
| APPLICANT: Sejersgard, Tina APPLICANT: Sejersgard, Tina APPLICANT: Sejersgard, Tina APPLICANT: Sejersgard, Tina APPLICANT: Mikkelsen, Frank
| TITLE OF INVENTION: Subtilase variants having an improved wash peformance on egg stall TITLE OF INVENTION NUMBER: US/09/736,116
| CURRENT FILING DATE: 2001-05-24
| NUMBER OF SEQ ID NOS: 105
| SEQ ID NO 75
| LENGTH: 15
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US-09-081-646-783/C
US-09-081-646-783/C

Sequence 783, Application US/09081646

patent No. 6333152

APPLICANT: Kinzler, Kenneth

APPLICANT: Vogelstein, Bert

APPLICANT: Zhang, Lin

APPLICANT: Zhou, Wei

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

FILE REFERENCE: 01107, 7464

CURRENT PAPLICATION NUMBER: US/09/081,646

CURRENT FILING DATE: 1999-05-20

EARLIER APPLICATION NUMBER: 60/047,352

EARLIER PILING DATE: 1999-05-21

NUMBER OF SEQ ID NOS: 871

SOFTWARE: FastSEQ for Windows Version 3.0

TENNOMER: TEN
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                                                                                                                     Length 15;
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                                                                                                                                                                                                 Indels
                                                                                                                 Query Match 0.8%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 71; Matches 14; Conservative 0; Mismatches 1;
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93.3%; Pred. No. 71;
tive 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      807 GCTCAGCAGGCCATG 821
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Best Local Similarity 93.33
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
COGANISM: Homo sapiens
US-09-081-646-783
; ORGANISM: Homo sapiens
US-09-081-646-174
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Length 16;
TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                         ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
APPLICATION NUMBER: US/09/034,205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartible
OPERATINE: SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1;
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93.3%; Pred. No. 8:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MACKLIGHL, KAMLIN T.
REGISTRATION NUMBER: 38,230
                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: FY
TELECOMMUNICATION INFORMATION
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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Best Local Similarity
Matches 14; Conserv
                                                                                                                                            USA
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                                                                                                                                                                                                                                                                                                                            FILING DATE:
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                                                                                                                                            COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from dystrophin
DESCRIPTION: sequence region in Seq ID No. 586124431
HYPOTHETICAL: Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 67, Application US/09034205
Patent No. 619419
GENERAL INFORMATOR
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Pors, Lance
APPLICANT: Next, Bruce P.
APPLICANT: Next, Bruce P.
APPLICANT: Next, Bruce P.
APPLICANT: TARGET-DEPENDENT REACTIONS USING
                                                                                                                                        GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          32 : FROM 1 TO
                                                                                                                                                                                                                                                                           ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC., STREET, 510 EAST 73RD STREET, CITY: NEW YORK STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPOTER: 18M PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION DATA:
PILING DATE: 22 DEC 1993
CLASSIFICATION DATA:
PILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: US/199
REFERENCE/DOCKET NUMBER: US/199
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 bases
TYPE: Nucleic Acid
STRANDENBESS: single stranded
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                              US-08-173-489C-32/c
; Sequence 32, Application US/08173489C
; Patent No. 5861244
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Best Local Similarity 93.3%
Matches 14; Conservative
      15 GCTGTTAAAGTCCTA
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                                                                                                                                                                                                                                                                                                                                                                     USA
                                                                                                                                                                                                                                                                                                                                                 STATE: NEW COUNTRY: US ZIP: 10021.
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Gaps

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STATE: CA
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ZIP: 94104
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/9/677,218B
FILING DATE: 02-Oct-200
CLASSIFICATION NUMBER: 09/034,205
FILING DATE: CURROWN-
PRIOR APPLICATION NUMBER: 99/034,205
FILING DATE: CURROWN-
REPLEATION NUMBER: 38,30
REGISTRATION NUMBER: 38,30
REFERENCE/DOCKET NUMBER: 38,30
REFERENCE/DOCKET NUMBER: 38,30
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION INFORMATION:
TELEFONMUNICATION OF 67:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
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Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches 1; Indels
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ADDRESSE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
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MOLECULE TYPE: other nucleic acid

BESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-677-218B-67
                                                  FORS-03268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 67, Application US/09677218B Patent No. 6355437 GENERAL INFORMATION:
                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEPHONE: (415) 705-8410
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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STRANDEDNESS: single
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US-09-677-218B-67
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Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TRAGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
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Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches 1; Indels
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 220 Montgomery Street, Suite 2200
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APPLICATION NUMBER: US/09/677,218B
FILING DATE: 02-0ct-2000
CLASSIFICATION: 4Unknown>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 09/034,205
FILING DATE: < UNMBER: 09/034,205
FILING DATE: < WARMING DATE: </wARMING DATE: <
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93.3%; Pred. No. 81;
tive 0; Mismatches
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ADDRESSEE: MEDLEN & CARROLL, LLP
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SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-677-218B-68
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MOLECULE TYPE: other nucleic acid
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US-09-677-192-67
; Sequence 67, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 68, Application US/09677218B; Patent No. 6355437; GENERAL INFORMATION:
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ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1508 CAGCCTCCAGGCCCC 1522
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: San Francisco
                                                                                                                                                                                                                                                                               2 CAGCCTCCAGGACCC 16
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Best Local Similarity 93.34
Matches 14; Conservative
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Fors, Lance
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Matches 14; Conserv
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APPLICANT: Lyamichev, Victor I.
APPLICANT: Lyamichev, Victor I.
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fore, Lance
APPLICANT: Fore, Lance
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
TITLE OF INVENTION: OLIGONUCLEOTIDES
TITLE OF INVENTION: OLIGONUCLEOTIDES
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
FRIOR APPLICATION NUMBER: 09/034,205
FRIOR FILING DATE: 1998-03-03
FRIOR FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 68
LENGTH: 16
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                                                                            TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING TITLE OF INVENTION: OLICONUCLEOTIDES FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
FRICH APPLICATION NUMBER: US/03/677,192
FRICH APPLICATION NUMBER: 09/034,205
FRICH FILING DATE: 1998-03-03
NUMBER OF SEQ ID NOS: 68
SEQ ID NO 67
LENGTH: 16
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1 Similarity 93.3%; Pred. No. 81;
14; Conservative 0; Mismatches 1. Trans
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Patent No. 6358691
Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
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                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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APPLICANT: Dong, Fang
APPLICANT: Lyamichev, Victor
APPLICANT: Prudent, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 93.3
Matches 14; Conservative
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Matches 14; Conserva
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US-09-677-192-68
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                                                               APPLICANT:
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APPLICANT: Dahlberg, James
TITLE REPRENCE: FORS-04012
CURRENT APPLICATION NUMBER: US/09/402,618B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Dahlberg, James
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleot1
FILE REPERBNCE: FORS-04012
CURRENT APPLICATION NUMBER: US/09/402,618B
CURRENT FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 128
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Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.4;
93.3%; Pred. No. 81
tive 0; Mismatche
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US-08-796-031-1/c
; Sequence 1, Application US/08796031
; Patent No. 5849903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1508 CAGCCTCCAGGCCCC 1522
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                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin version 3.0 SEQ 1D NO 68 LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                        FEATURE:
COTHER INFORMATION: Synthetic
US-09-402-618B-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , OTHER INFORMATION: Synthetic US-09-402-618B-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Dong, Fang
APPLICANT: Lyamichev, Victor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prudent, James
Fors, Lance
Neri, Bruce
Brow, Mary Ann
Anderson, Todd
                                                                                                                                                                                                                                                                                                                                                                                                                                     14; Conservative
Brow, Mary Ann
Anderson, Todd
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Sequence 23, Application US/08985090
Patent No. 5885893
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: MUSCARINIC RECEPTORS AND USES THEREFOR NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVUE & COCKFIELD, LLP
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%; Score 12.8; DB 1; Length 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.8%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 71; Matches 13; Conservative 0; Mismatches
                                                                                                                   REFERENCE/DOCKET NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/015-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-525-3433
TELEFAX: 714-525-3303
TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jean M. Silveri
REGISTRATION NUMBER: 39,030
REFERENCE/DOCKET NUMBER: MXI-032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)742-7400
TELEFAK: (617)742-4214
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/561,302
FILING DATE: 1 January 1997
ATTORNEY JAGENT INFORMATION:
NAME: FISH, ROBER: 33,880
                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1239 GTTCCTTCCGGTG 1251
                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDALLS 26 C. STREET: 26 C. STATE: Boston STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13 Griccirccedig 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                 unknown
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  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 166
US-08-985-090-23/c
                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY:
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APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak
TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense
TITLE OF INVENTION: Oligonucleotides for Il-8 and Il-8 Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak
TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense
TITLE OF INVENTION: Oligonucleotides for 11-8 and 11-8 Receptor
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish
STREET: 3000 S. Augusta Court
CITY: La Habra
STREET: Antied States of America
ZIP: 90631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 71; Matches 13; Conservative 0; Mismatches
                                                                                                                                                CITY: La Habra
STATE: California
COMPREN: United States of America
ZIP: 90631
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,031
FILING DATE: January 1997
CLASSIFICATION STATE
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/561,302
FILING DATE:
APPLICATION NUMBER: 33,880
REGISTRATION NUMBER: 33,880
REGISTRATION INFORMATION:
NAME: Fish, Robert D.
REGISTRATION INFORMATION:
TELEPHONE: 714-525-3303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/055,913
FILING DATE:
                                                              NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish
STREET: 3000 S. Augusta Court
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/09055913
Patent No. 6017898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
US-08-796-031-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 14 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1239 GTICCTTCCGGTG 1251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13 Griccirccecic 1
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0; Gaps

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TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
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Best Local Similarity 87.5%;
Matches 14; Conservative
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STRANDEDNESS: single
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                     2; Indels
                                                                                                                                               RESULT 167
US-08-757-024-875/C
Sequence 875, Application US/08757024
Fatent No. 6025339
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 34009
CITY: Charlotte
STRATE: No. 6025339th Carolina
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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; Sequence 882 Application US/08757024
; Patent No. 6025339
; GENERAL INFORMATION:
    TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES:
    CORRESPONDER ADDRESS:
    ADDRESSEE: BELL, SELTZER, PARK & GIBSON
    STREET: P.O. Drawer 34009
; CITY: Charlotte
    STATE: No. 6025339th Carolina
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. 99;
0; Mismatches
  87.5%; Pred. No. 99; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%; Score 12.8; Best Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31,665
ER: 5218-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: SIDLEY, REGIDEN D.
REGISTRATION NUMBER: 31,665
REFRENCE/DOCKET NUMBER: 5218
TELEPHONE: 919-881-3140
TELERAX: 919-881-315
TELERAX: 919-881-3175
TELER: 575102
INFORMATION FOR SEQ ID NO: 875: SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                              72 GTGGGCTGCTGCTGA 87
                                                                                                    16 Gredeckeczeczek 1
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Best Local Similarity 87.5
Matches 14; Conservative
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; Sequence 945, Application US/08757024
; Patent No. 6025339
; Patent No. 6025339
; Patent No. 6025339
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA; NUMBER OF SEQUENCES: 952
; CORRESPONDER ADDRESS: ADDRESSE: BELL, SELTZER, PARK & GIBSON STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IEB PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REBERBNOCH/DOCKET NUMBER: 31,665
REBERBNOCH/DOCKET NUMBER: 31965
RELEFAX: 919-881-3140
TELEFAX: 919-881-3175
TELEFAX: 919-881-3175
TELEFAX: 575102
INFORMATION FOR SEQ ID NO: 882:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk.
COMPUTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
COMPOTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSITCATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: SIDIEV, Kenneth D:
REGISTRATION NUMBER: 31,665
REGISTRATION NUMBER: 31,665
REGISTRATION NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 11975
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666 CTGCCTTCAGCCTGC 681
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TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 62.5%;
Marches 10; Conservative
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (213) 955-044(
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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US-08-679-645-523
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                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Andrew D.J. Goodearl and Sandra Glucksman
TITLE OF INVENTION: Muscarinic Receptors and Uses Therefor
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
                                                           0.8%; Score 12.8; DB 1; Length 16; 87.5%; Pred. No. 99; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/165,543
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 09/042,780
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth A. Hanley
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: 31,505
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 523, Application US/08679645
Patent No. 6350934
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
APPLICANT: Edington, Brent E.
APPLICANT: McSwiggen, James A.
APPLICANT: McSwiggen, James A.
APPLICANT: McSwiggen, James A.
                                                                                                                                                                                                                                                                RESULT 170
18-09-165-543-25/c
'Sequence 25, Application US/09165543
'Patent No. 6093545
                                                                                                                                                       1530 GCCCAGCCTCTCCCCG 1545
  DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         72 GIGGGCTGCTGCTGA 87
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                                                                                                    Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 28 State Stre
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: CDNA
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                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
MOLECULE TYPE:
      ;
US-08-757-024-945
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US-08-679-645-523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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Sequence 875, Application US/09093972C

Patent No. 6825174

GENERAL INFORMATION:

APPLICANT: Nyce, Jonathan W.

IITLE OF INVENTION: & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY (IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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Guo, Lining

Guo, Lining

Laf: Skoktut, Thomas A.

LICANT: Young, Scott A.

APPLICANT: Folkerts, Otto

APPLICANT: Merlo, Donald J.

ITILE OF INVENTION: COMPOSITION AND METHODS FOR

TITLE OF INVENTION: IN PLANTS

ITILE OF INVENTION: IN PLANTS

MUMBER OF SEQUENCES: 1263

CORRESPONDENCES: 1263

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STREET: California

COUNTRY: U.S.A.

PP: 90071-3.

TER PF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS:
ADDRESSEE: BRIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 12.8; D
62.5%; Pred. No. 99;
ive 4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                           CITY: LOS ANGELES
COUNTY: LOS ANGELES
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 1.5" DISKETTE, 1.00 SOFTWARE: MORD PETECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/300,726
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNAY AGENT INFORMATION:
NAME: WANDER NUMBER: 31,327
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                            TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 882:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 śccczaśccirciecce 1
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 8/.3.
...hes 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Cranbury
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRINT APPLICATION DATE:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
                                                                                                                                                                                                                                                                                                                                                                            NAME: Amzel, Viviana
REGIGSTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 875:
US-09-093-972C-875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

0.8%; Score 12.8;
Best Local Similarity 87.5%; Pred. No. 99
Matches 14; Conservative 0; Mismatche
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1531 CCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO: 875:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16 cccheccrereccec 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA
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HEALT NO. DOLLY.
GENERAL INFORMATION:
APPLICANT: NYCE, JONATHAN W.
TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY (IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS: ADDRESSE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
                                                                                                                                                                                                  NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 12.8;
87.5%; Pred. No. 99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE DESCRIPTION: SEQ ID NO: 882: US-09-093-972C-882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 30-January-1998
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18-09-09-202C-945/c
; Sequence 945, Application US/09093972C
; Patent No. 6825174
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Gaps

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GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Stuyver, Lieven
TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease
TITLE OF INVENTION: gene
FILE REFERENCE: 11362.0030.PCUS00 INNS:030
CURRENT APPLICATION NUMBER: US/09/720,435A
CURRENT APPLICATION NUMBER: PCT/EP99/04317
PRIOR APPLICATION NUMBER: PCT/EP99/04317
PRIOR FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 529
SOUTHARE: PATENT NOS: 529
SOUTHARE: PatentIn version 3.2
SEQ ID NO 172
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-050-073-65

Sequence 65. Application US/08050073

Sequence 65. Application US/08050073

Patent No. 5567809.

Septement No. 5567809.

Septement No. 5567809.

APPLICANT: Apple, Raymond J.

APPLICANT: Bugawan, Teodorica L.

APPLICANT: Briifith, Robert L.

APPLICANT: Scharf, Stephen J.

TITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA

TITLE OF INVENTION: Typing

NUMBER OF SEQUENCES: 315

CORRESPONDENCE ADDRESS:

ADDRESSE: Hoffmann-La Roche Inc.

STREET: 340 Kingsland Street
Query Match 0.8%; Score 12.4; DB 1; Length 14; Best Local Similarity 85.7%; Pred. No. 88; Matches 12; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 14;
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 12.4; D
92.9%; Pred. No. 88;
tive 0; Mismatches
                                                                                                                                                                                                                                                                       Sequence 172, Application US/09720435A Patent No. 6803187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA; CRGANISM: Aids-associated retrovirus US-09-720-435A-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                       1510 GCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
                                                                                                                                 |||:|||||| ||||
GCCUCCAGGACCCC 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      37 GAATTGGAGGCATG 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New Jersey
: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: U
ZIP: 07110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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Patent No. 6391542
GENERAL INFORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment
Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WORDPERFECT 6.1 for Windows
CURRENT APPLICATION NDATA:
FILING DATE: 17-May-1996
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%; Score 12.8; DB 1; Length 16; Best Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                          TELEX: «Unknown»;
INFORMATION FOR SEQ ID NO: 945:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 945:
US-09-093-972C-945
          REFERENCE/DOCKET NUMBER: EPI-00672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-08-650-093C-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Jane Massey Licata
REGISTRATION UNDER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
                               TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: LICATA & TYREST STREET: 66 E. Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 97
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 eccenecerereces 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: Linear ANTI-SENSE: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Marlton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-650-093C-97
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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 12.4; DB 1; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1;
                                                                                                                 RESULT 179

US-08-182-968A-422/C

Sequence 422, Application US/08182968A

Eatent No. 5610654

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: WITHOD AND REAGENT FOR TITLE OF INVENTION: USRUS REPLICATION OF SEQUENCES: 497

CORRESPONDENCE ADDRESS: 497

COUNTRY: U.S.A.

ZIP: 30071-2066

COMPUTER: IBM COMPACIBLE FORM: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: BLORDALIS FORM: 18M P.C. DOS 5.0

SOFTWARET READBLE FORM: 18M P.C. DOS 5.0

SOFTWARE: NOTE PETECT 5.1

CURRENT APPLICATION DATA: 1994

PRIOR APPLICATION DATA: 13.JANUARY-1992

ATTORNEY APPLICATION DATA: 32,327

RECIENCY ACROTT INFORMATION: NAMBER: 32,327

RECIENCY (213) 955-0440

TELESTANTION FORMATION: TELEPHONE: (213) 965-0440

TELESTANTION FOR SEQ ID NO: 422: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NS-08-123/C
; Sequence 423, Application US/08182968A
; Sequence 423, Application US/08182968A
; Patent No. 5610054
; GENERAL INFORMATION:
    TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: INHIBITING HEPATITIS C
    TITLE OF INVENTION: VIRUS REPLICATION
    NUMBER OF INVENTION: VIRUS REPLICATION
    NUMBER OF SEQUENCES: 497
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Lyon & Lyon

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    870 ATACGAGAAGGCGA 883
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-182-968A-422
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
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                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 85.7%; Pred. No. 1e+02; Matches 12; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/08182968A

Patent No. 5610054

GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: VIRUS REPLICATION
INTERER OF SEQUENCES: 497

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILLING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,888
FILLING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION STORAGENESISTICS:
TELEFAX: 67-3510
SEQUENCE GARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 8769
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2974
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                             1074 GAGCTGCTAAAGTC 1087
                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GAGCTGCTTAAGTC 14
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STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
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TOPOLOGY:
US-08-182-968A-2
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US-08-182-968A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Coulure, Larry
APPLICANT: Coulure, James
APPLICANT: Bisgaler, Charles
APPLICANT: Bisgaler, Charles
APPLICANT: Bape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PROCRESSION AND RECRESSION
TITLE OF INVENTION: PROCRESSION
TITLE OF INVENTION
TITLE OF INVENTION: PROCRESSION
TITLE OF INVENTION
TITLE OF INVEN
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OOPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
                   PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
TELEPAX: (213) 955-0440
TELEXX: 67-3510
INFORMATION FOR SEQ ID NO: 237:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
TYPE: NUCleic acid
STRANTH: 15 base pairs
TYPE: NUCleic acid
STRANTHENENNES: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 528, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
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NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFRENCE/DOCKET NUMBER: 210/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1309 TAGAAGTCTCCAGG 1322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 UAGAAGUCUCCAAG 14
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TELEX: 67-3510
INFORMATION FOR EQG ID NO:
SEQUENCE CHARACTERLETICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
TOPOLOGY: linear
US-08-363-240A-237
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 377, Application US/08363240A
| Patent No. 5705388
| GENERAL INFORMATION:
| APPLICANT: Couture, Larry
| APPLICANT: Bisgaler, Charles
| APPLICANT: Pape, Michael
| TITLE OF INVENTION: PREVENTION, INIBILITION OF
| TITLE OF INVENTION: PROGRESSION AND REGRESSION
| TITLE OF INVENTION: OF VASCULAR DISEASES
| TITLE OF INVENTION E Lyon
| TITLE OF INVENTION: OF VASCULAR DISEASES
| TITLE OF INVENTION: OF VASCULAR DISEASES
| TITLE OF INVENTION APPLICATION DATA: US/08/38,240A
| FILING DATE: December 23, 1994
                                                                                                                                                                                                                                                                  MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: OT/882,888
FILING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 205/277
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 423:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
                                                                                                                                                      ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  870 ATACGAGAAGGCGA 883
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
STREET: Sulve
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY: 1
US-08-182-968A-423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 181
US-08-363-240A-237
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0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1e+02;
                                                                                                   APPLICANT: Coultue, Larry
APPLICANT: Coultue, Larry
APPLICANT: Coultue, James
APPLICANT: Bisgaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sean Sullivan
APPLICANT: Renneth Draper
APPLICANT: Renneth Draper
APPLICANT: Revia Kisaich
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
TITLE OF INVENTION: BIBOZYME TREATMENT OF
TITLE OF INVENTION: BISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TNF-'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                    US-08-363-240A-724/c
; Sequence 724, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 185
US-08-311-486C-533/c
; Sequence 533, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATE.

FILING DATE:
ATTORNEY, AGENT INFORMATION:
NAME: WArburg, Richard
REGISTRATION NUMBER: 32,327
REPERENCE/DOCKET NUMBER: 210/(
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1471 CAGAGAGAGCTCTG 1484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LECUING: (213) ...
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14 CGGAGAGAGCTCTG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
Matches 13, Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
US-08-363-240A-724
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                                                                                                        Score 12.4; DB 1; Length 15;
Pred. No. 1e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 12.4; DB 1; Length 15; 78.6%; Pred. No. 1e+02; ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Couture, Larry
APPLICANT: Couture, James
APPLICANT: Bisgaier, Charles
APPLICANT: Bape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROCRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIF: 90071 COMPUTER READABLE FORM: MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
ATORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1895-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                   Sequence 529, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 529:
SEQUENCE CHARACTERISTICS:
                                                                                                          Query Match
Best Local Similarity 78.6%;
Matches 11; Conservative
                                                                                                                                                                                                     841 CGGCCTTCCAGCAC 854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      841 CGGCCTTCCAGCAC 854
                                                                                                                                                                                                                            2 CGGCCUUCCAGCGC 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 78.6
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
; TYPE: nucleic acid
; STRANDEDNESS: singl
; TOPOLOGY: linear
US-08-363-240A-528
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Sequence 30, Application US/08452724A

Sequence 30, Application US/08452724A

Patent No. 5830650

GENERAL INFORMATION:
APPLICANT: Crea, Roberto

TITLE OF INVENTION: Walk-Through Mutagenesis

NUMBER OF SEQUENCES: 59

CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: 2 Militia Drive

CITY: Learington

STREET: AMINITIAN

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ZIP: 02173

ZIP: 02173

COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/452,724A

FILING DATE: 05-APR-1995

PIOR APPLICATION NUMBER: US 07/930,600

FILING DATE: 05-APR-1991

PRIOR APPLICATION NUMBER: US 7/930,600

FILING DATE: 05-APR-1991

PRIOR APPLICATION NUMBER: US 07/930,600

FILING DATE: 05-APR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: September: 23, 1994
CLASSIFICATION NOMBER: 02,08/11,486C
FILING DATE: September 23, 1994
CLASSIFICATION: 435
FILING APPLICATION DATA: including application PRIOR APPLICATION DATA: described below: APPLICATION NUMBER: 06/08,085
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REPERENCE/AGENT INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
TELERAX: (213) 955-0440
INFORMATION FOR SEQ ID NO: 687:
SEQUERAX: DATA SEQ ID NO: 687:
LENGTH: 15 base pairs
                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: GOODACHE, COMPUTER: IBM COMPACTIOL
COMPUTER: IBM COMPACTION
SOFTWARE: WORD PEFFCT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             371 CCTCTGGGAAGAGT 384
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear
US-08-311-486C-687
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 187
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NUMBER OF SEQUENCES: 1157

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING YYETH: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION DATA: including application
PRIOR APPLICATION DATA: described below:
PRIOR APPLICATION DATA: 1993
PRIOR APPLICATION NUMBER: 09/080,893
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 209/166
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 209/166
TELEPHONE: (213) 955-0440
TELEPHONE: LENGTH: 15 base pairs
TELEPHONE: SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TELEPHONE: SEQUENCE SEQU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-310-486C-687/C
Sequence 687, Application US/08311486C
Patent No. 581130N
GENERAL INFORMATION:
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kenneth Draper
APPLICANT: Dan T. Stinchcomb
APPLICANT: Dan T. Stinchcomb
APPLICANT: Dan T. Stinchcomb
APPLICANT: Dan Stinchcomb
APPLICANT: Dan Stinchcomb
APPLICANT: Dan T. Stinchcomb
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TNF-'
NUMBER OF SEQUENCES: 1157
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1391 GGAGTGAGATGTGG 1404
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Matches 13; Conservative
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-311-486C-533
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Gaps
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                                                                    Length 15;
                                                                Score 12.4; DB 1;
Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                         1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
CUNTXY: Los Angeles
COUNTXY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 15" COMPUTER: LOS COMPUTER: LEM COMPATIBLE COMPUTER: LEM COMPATIBLE COMPUTER: LEM COMPATIBLE COMPUTER: USOFTWARE: WORD PATE: USOFTWARE: USOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 190
US-08-774-306A-423/c
; Sequence 423, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 22
TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%;
Best Local Similarity 92.9%;
Matches 13; Conservative (
                                                                    Query Match
Best Local Similarity 85.7%;
Matches 12; Conservative
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                                                                                                                                                                                                                                                                     2 CAGCCUCCAGGACC 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |||||| ||||||
15 ATACGATAAGGCGA 2
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
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US-08-774-306A-422
US-08-774-306A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPAITIIS C
TITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SIKEALI SULCE AND SIKEALI SULVE SIKEALI SULVE SIKEALI SULVE 
                            APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY-AGENT INFORMATION:
NAME: BLOOK ESG., David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AZ
TELEPHONE: (617) 861-6240
TELEPHONE: (617) 861-9540
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/08774306A Patent No. 5869253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Slite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1303 TCCCTGTAGAAGTC 1316
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TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14 rccargradadrc 1
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-452-724A-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 188
US-08-774-306A-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-04-156A-422/c

Sequence 422, Application US/09064156A

Patent No. 61236A

GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 498

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: April 21, 1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/7182,968
FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: Manuary 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMMUTICATION INFORMATION:
TELEPHONE: (213) 955-0440
INFORMATION EREPRACTERISTICS:
FUNCTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: APPLICATION DATA:
APPLICATION NUMBER: 08/774,1306
FILING DATE: Jacember 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1508 CAGCCTCCAGGCCC 1521
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: singl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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TOPOLOGY:
US-09-064-156A-2
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                     APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: URBURE REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: Galifornia
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Street
COMPUTER: STREET: STREET:
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Patent No. 6132966
GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: URHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OSPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
APPLICATION NUMBER: 23,327
REGISTRATION NUMBER: 32,327
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440

INFORMATION FOR SEQ ID NO: 423:
FENENTE: FORSED ID NO: 423:
FENENTE: TELEFAX: 15
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STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
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CORRESPONDENCE ADDRESS:
ADDRESSES: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
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; STRANDEDNESS: singl
; TOPOLOGY: linear
US-08-774-306A-423
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US-09-064-156A-2
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US-09-081-646-126

Sequence 126, Application US/09081646

Sequence 126, Application US/09081646

Sequence 126, Application US/09081646

Sequence 126, Application US/09081646

SEMERAL INFORMATION:

APPLICANT: Chang, Lin

APPLICANT: Zhang, Lin

APPLICANT: Zhang, Lin

APPLICANT: Shang, Lin

APPLICANT: Shang, Lin

APPLICANT: Shang, Lin

APPLICANT: Shang, Wei

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

FILE REFERENCE: 01107, 74664

CURRENT PAPLICATION NUMBER: 05/097, 352

ERRIER APPLICATION NUMBER: 60/047, 352

ERRIER APPLICATION NUMBER: 60/047, 352

NUMBER OF SEQ ID NOS: 871

SOFTWARE PERSON DATE: 1997-05-21
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US-09-081-646-326

j Sequence 326, Application US/09081646

j Sequence 326, Application US/09081646

j Patent No. 6333152

j GENERAL INFORMATION:

j APPLICANT: Kinzler, Kenneth

j APPLICANT: Zhang, Lin

j APPLICANT: Zhang, Lin

j APPLICANT: Concer Cells

j TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

j TITLE OF INVENTION: Cancer Cells

j TITLE OF INVENTION: Cancer Cells

j TITLE APPLICATION NUMBER: US/09/081,646

j CURRENT PILING DATE: 1998-05-20

j EARLIER APPLICATION NUMBER: 60/047,352

j EARLIER PILING DATE: 1997-05-21

j NUMBER OF SEQ ID NOS: 871

j SOFTWARE: FastSEQ for Windows Version 3.0
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              Score 12.4; DB 1; Length Pred. No. 1e+02; ); Mismatches 1; Indela
                            Query Match 0.8%; Sco
Best Local Similarity 92.9%; Pro
Matches 13; Conservative 0;
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Best Local Similarity 92.9°
Matches 13; Conservative
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LENGTH: 15
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Sequence 423, Application US/09064156A

Sequence 423, Application US/09064156A

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: METHOD AND REAGENT FOR

TITLE OF INVENTION: INHIBITING HEPATITIS C

TITLE OF INVENTION: VIRUS REPLICATION

NUMBER OF SEQUENCES: 498

CORRESPONDENCE ADDRESS:
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                        REGISTRATION NUMBER: 32,327
REFRENCE/DOCKET NUMBER: 234/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (713) 955-0440
INFORMATION FOR SEQ ID NO: 422:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
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TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 423
SEQUENCE CHARACTERISTICS:
Warburg, Richard J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             870 ATACGAGAGGCGA 883
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sTRANDEDNESS: single
; TOPOLOGY: linear
US-09-064-156A-422
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STRANDEDNESS: single
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                                                                                                           Sequence 808, Application US/09081646
Fatent No. 6333152
Fatent Nogelstein, Bert
APPLICANT: Kinzler, Mert
TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
TITLE OF INVENTION: Cancer Cells
FILE REFERENCE: 01107.74664
CURRENT PILING DATE: 1998-05-20
FARLIER APPLICATION NUMBER: 05/09/081,646
CURRENT FILING DATE: 1998-05-20
FARLIER FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 871
SOFTWARE: PastSEQ for Windows Version 3.0
FEMBLY NO 808
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Sequence 30, Application US/08453623

Patent No. 649340

GENERAL INFORMATION:
APPLICANT: Crea, Roberto

TITLE OF INVENTION: Walk-Through Mutagenesis

NUMBER OF SEQUENCES: 59

CORRESPONDENCES: Hamilton, Brook, Smith & Reynolds, P.C. STREET: 2 Militia Drive

CITY: Lexington

STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AY
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1101 ATGCTCAACACCTC 1114
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COMPUTER READABLE FORM:
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1 CATGGGCTGCCTGC 14
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ORGANISM: Homo sapiens
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US-08-453-623-30/c
                                                                                                 US-09-081-646-808
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RESULT 198

US-09-720-435A-171

Sequence 171, Application US/09720435A

Patent No. 6803187

GENERAL INFORMATION:

TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease

TITLE OF INVENTION: Gene

TITLE OF INVENTION: Mumber: US/09/720,435A

CURRENT APPLICATION NUMBER: US/09/720,435A

CURRENT PILING DATE: 2001.06-25

PRIOR FILING DATE: 1999-06-22

PRIOR FILING DATE: 1998-06-24

PRIOR FILING DATE: 1998-06-24

PRIOR FILING DATE: 1998-06-34

PRIOR FILING DATE: 1998-06-34

NUMBER OF SEQ ID NOS: 529

SOFTWARE: Patentin Version 3.2

SEQ ID NO 171
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                                                                                          ; TOPOLOGY: unknown ; SEQUENCE DESCRIPTION: SEQ ID NO: 30: US-08-453-623-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Aids-associated retrovirus
US-09-720-435A-171
INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS: LENGTH: 15 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                            1303 TCCCTGTAGAAGTC 1316
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Best Local Similarity 92.9%;
Matches 13; Conservative
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Best Local Similarity 92.9*
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| Sequence 12, Appl<br>Sequence 14, Appl<br>Sequence 4, Appli<br>Sequence 5, Appli<br>Sequence 6, Appli<br>Sequence 7, Appli<br>Sequence 7, Appli                         | ance 9,<br>ance 10<br>ance 11                                      | ance 27 ance 28 ance 3,                                  | ,0,0,  |  | 122                                  | 22  | 23                                    | 37<br>38                             | 39                                   | 7 17 27  | א 4 ת                      | 58,0                       | 61                         | 64          | 4, 72       | 9,          | 8,0        | 10         | 175         | 44,1       | 'nώ                        | ۲, 8        | 0               | 2 7                                | 2               | 69                                 | 56                  | 83                               |
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| 1 US-09-967-726A-12<br>1 US-10-270-871-14<br>1 US-10-080-794-3<br>1 US-10-080-794-5<br>1 US-10-080-794-5<br>1 US-10-080-794-6<br>1 US-10-080-794-7<br>1 US-10-080-794-7 | US-10-080-7<br>US-10-080-7<br>US-10-080-7<br>US-10-080-7           | US-10-380-1<br>US-10-383-6<br>US-10-383-6<br>US-10-646-3 | US-10-646-3<br>US-10-646-3<br>US-10-646-3<br>US-10-646-3 | US-10-646-391A-8<br>US-10-646-391A-9<br>US-10-646-391A-1 | US-10-646-391A-1<br>US-10-646-391A-1 | US-10-646-3<br>US-10-646-3<br>US-10-646-3 | US-10-646-391A-2<br>US-10-646-391A-2  | US-10-646-391A-3<br>US-10-646-391A-3 | US-10-646-391A-3<br>US-10-646-391A-4 | US-10-646-391A-4<br>US-10-646-436-1<br>US-10-646-436-2 | US-10-646-4<br>US-10-646-4 | US-10-646-4<br>US-10-646-4 | US-10-646-4<br>US-10-646-4 | US-10-646-4 | US-10-828-3 | US-10-828-3 | US-10-828- | US-10-828- | US-10-828-3 | US-10-628- | US-10-828-3<br>US-10-828-3 | US-10-828-3 | US-10-828-395-9 | US-10-828-395-1<br>US-10-828-395-1 | US-10-828-395-1 | US-10-828-395-1<br>US-10-719-900-6 | US-10-719-900-56803 | US-10-719-900-<br>US-10-719-900- |
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| Sequence 253138,<br>Sequence 253138,<br>Sequence 255424,<br>Sequence 25527,<br>Sequence 256203,<br>Sequence 26189,<br>Sequence 266662,<br>Sequence 266662,              | adnence<br>adnence<br>adnence                                      | aduence<br>aduence<br>aduence                            | equence<br>equence<br>equence                            | aguence<br>equence                                       | equence                              | equence<br>equence                        | equence                               | adnence<br>adnence                   | equence<br>equence                   | equence<br>equence<br>equence                          | equence                    | ednence<br>ednence         | equence                    | equence     | equence     | equence     | equence    | equence    | ednence     | equence    | equence                    | ednence     | ednence         | equence                            | ednence         | equence                            | ednence             | ednence<br>ednence               |
| US-10-956-157-252760<br>US-10-956-157-253138<br>US-10-956-157-253424<br>US-10-956-157-256203<br>US-10-956-157-266662<br>US-10-956-157-266662<br>US-10-956-157-266662    |  |  |  |  |                                      |   |                                       |                                      |                                      |  |                            |                            |                            |             |             |             |            |            |             |            |                            |             |                 |                                    |                 |                                    |                     |                                  |
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|   | ஸ் ஸ் ஸ் ஸ்<br>ந   | <b>ល់ ល់ ល់ លំ</b> ព                                     | លំលំលំលំ   | ຳທຳທຳ  | استن                                 | ល់ ស់ 4                                   | কক                                    | 4.4.4                                | 4.4                                  | 4. w. w.   | ښ.<br>د ښ                  | , n, n,                    | ښ.<br>د ښ.                 | i ui u      | نسس         |             | inic       | jņi        | າຕ          | w w        | ښږ                         | . m. (      | j ej            | m, r                               | . u.            | m. r                               | i ui a              | i ui ui                          |
|   |  |  |  |  |                                      |   |                                       |                                      |                                      |  |                            |                            |                            |             |             |             |            |            |             |            |                            |             |                 |                                    |                 |                                    |                     |                                  |
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| Sequence 17, Appl<br>Sequence 18, Appl<br>Sequence 33, Appl<br>Sequence 28, Appl  | ince 9,   | nce 13,<br>nce 13,   | ince 42,  | ince 43,  | ance 68                                  | ance 16                                  | nce 17                                   | 18                                       | 16                                       | ence 17                                  | 18                                       | 29                                       | 10                                      | 4  |  | 1 4                                     | 1  | 7  | 37                                       | 33                                      | ,04                                       | 48   | 3  | ŕ.                                       | 87                                       | 97                                      |   | ,  | 5,                                       | 97,                                     | 7  |  | ř  | 13                                       | 24                                       | , ,  | 9 0                                      | 27                                       | ۲,                                       | ъ,<br>В                                  | 305                                 | č  | 9  | 17(  |   | 10  | 2 1                                      | Š  | 2  | 7  | 26(                                      | 86                                       | 19  | 19  | 88   | 5   | 50  | 2   | ,<br>,                                | 7  | ç  | 83                                       | 866   | 9 9                                       | Ś  | 5  | ĕ  | ,  | 171  | 174  | ú  | ֓֞֜֜֜֜֜֜֜֜֜֜֜֜֜֓֓֓֜֜֜֜֜֜֓֓֓֜֜֜֜֜֜֜֓֓֓֜֜֜֜֜ | 154                                      |  | 291  |
|---|---|--|---|---|--|--|--|--|--|--|--|--|---|--|--|---|--|--|--|---|---|--|--|--|--|---|---|--|--|---|--|--|--|--|--|--|--|--|--|--|-------------------------------------|--|--|--|---|---|--|--|--|--|--|--|---|---|--|---|---|---|---------------------------------------|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|
| US-10-980-850-17<br>US-10-980-850-18<br>US-10-980-850-33<br>US-10-646-391A-28   | US-10-646-436-9                                 | US-09-459-749D-13<br>US-10-270-871-13  | US-10-646-391A-42                               | US-10-646-391A-43<br>US-10-646-436-67   | US-10-646-436-68                         | US-10-828-394-16                         | US-10-828-394-17                         | US-10-828-394-18                         | US-10-828-395-16                         | US-10-828-395-17                         | US-10-828-395-18                         | US-10-646-391A-29                        | US-10-646-436-10                        | US-10-380-124-4                          | TIS-09-67-15                             | 10 10 000 11 11 11 11 11 11 11 11 11 11 | US-10-080-794-15                         | US-10-751-736-11047                      | US-10-921-868A-37                        | US-10-786-720-3371                      | US-10-786-720-4073                        | 118-10-786-720-4811                                      | 1101 OIL OIL OIL OIL   | US-IU-/51-/36-24026                      | US-10-911-318-81                         | TS-09-294-121A-97                       | 10 KC CC CC CC CC                           | US-08-88-80-80                           | US-09-899-302-97                         | US-09-899-044-97                        | 712-10-822-71-97                         | 10-11/-270-01-01<br>01-01-01-01  | US-10-160-787-84                         | US-10-160-787-137                        | US-10-646-391A-24                        | 70 - 10 - 10 - 01 - 01   | US-10-646-391A-26                        | US-10-646-391A-27                        | US-10-646-436-7                          | US-10-646-436-8                          | US-10-667-271-305                   | 118-10-667-271-1001                      | 100 10 00 01 00  | 110-00-700-5330-170  | 100 00 100 000                                  | 2501-250-05/-00-00                          | US-US-/40-332-3013                       | US-09-817-879-1542                       | US-09-817-879-3013                       | US-10-669-841-4135                       | US-10-669-841-5606                       | 115-10-723-361-8666                      | 113-10-828-34-19                          | 115-10-828-395-19                           | 112-10-758-451-883                               | 100 100 100 100 100 100 100 100 100 100                         | 115-00-017-00-3014                                    | 110-10-660-641-6607   | 100-T0-000-01-000                     | US-10-497-692-11                         | US-09-866-108-8352                       | US-09-866-108-8353                       | 118-09-866-108-8665                                 | COOC-001-000-01                           | /000-00T-000-60-60                       | 18-03-80F-T08-T003/                      | US-09-866-108-10038                      | US-09-928-412-7                          | IIS-09-780-533A-171                        | IIS-09-877-478-1745                        | 110 00 140 100 11640   | US-U9-/4U-33Z-1543                         | US-09-817-879-1543                       | US-10-298-255-4                          | 119-10-238-700-2912  |
| 2002  |   |  |   |   |  |  |  |  |  |  |  |  |   |  |  |   |  |  |  |   |   |  |  |  |  |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |                                     |  |  |  |   |   |  |  |  |  |  |  |   |   |  |   |   |   |                                       |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |
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| 00000   | η,  | 19.4   | 19  | 1 6   | 5 6                                      | 19                                       | 19                                       | 19                                       | 19                                       | 19                                       | 19                                       | 19                                       | 6                                       | 8 -                                      | ۱,                                       | ٠,                                      | ٠,                                       | 17.8                                     | ė  | Ġ                                       | ٠   |  | ٠,   | ċ  | Ġ  | -                                       | ,   | 16                                       | 16                                       | 16                                      | 9 7                                      | p (  | 16                                       | Н  | ď  |  | 'n                                       | 'n                                       | ď.                                       | 'n,                                      | ď                                   | . u                                      |  |  | · .   | 'n  | 'n                                       | 'n                                       | ů.                                       | 'n,                                      | 'n                                       | Ľ  | ď   | 15.4  | ; -  |   | 7 .   |   | ٦,                                    | 4  | 4.                                       | 4  | 4   | r <                                       |  | 14.4                                     | 14.4                                     | 14.4                                     | 14 4                                       | . 4  |  | 4.4  | 14.4                                     | 14.4                                     |  |
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| Sequence 27139, A<br>Sequence 271151,<br>Sequence 30750, A<br>Sequence 70566, A   | 3740  | 5013<br>5179   | 6048  | 6124<br>14  | 15,                                      | 16,                                      | 17,                                      | 18,                                      | 19,                                      | 20,                                      | 21.                                      | 22                                       |   | 4  |  | 0.0                                     | 97                                       | 27,                                      | 28,                                      | 29                                      |   | , ר<br>ה   | 1 0  | 32,                                      | 33,                                      | 3.4                                     |   | 35,                                      | 36,                                      | 37                                      |  | 0 0  | 39,                                      | 40,                                      | 41                                       | 1 0  | 42,                                      | 43,                                      | 44,                                      | 45,                                      | 46                                  |  |  | 0 0  |   | 200   | 21,                                      | 52,                                      | 53,                                      | 54,                                      | 55                                       | , 4                                      | , ,                                       |   | 0  | ,   | 2.5   | ;   | 70                                    | 63,                                      | 64,                                      | 22                                       | , ,   | , 0                                       |  | 68,                                      | 69,                                      | 70:                                      |  | , ,  | 9 6  | 73,  | 74,                                      | 75,                                      | 9 6  |
| 2711<br>2711<br>3075<br>7056  | 0-719-956-374027 Sequence 3740                  | )-719-956-501380 Sequence 5013<br>)-719-956-517912 Sequence 5179                                   | )-719-956-604881 Sequence 6048                  | )-719-956-612441 Sequence 6124<br>)-380-124-14 Sequence 14                                | 0-380-124-15 Sequence 15,                | )-380-124-16 Sequence 16,                | 380-124-17 Sequence 17,                  | )-380-124-18 Sequence 18,                | )-380-124-19 Sequence 19,                | )-380-124-20 Sequence 20,                | 380-124-21 Sequence 21,                  | 1-380-124-22 Semience 22.                | 1-380-124-23 Semience 23                | 380-124-24 Semience 24                   | 7 300 121 21<br>1-380-124-25 Semience 25 | 1-380-124-25 Sequence 25,               | 0-380-124-26 Sequence 26,                | 380-124-27 Sequence 27,                  | )-380-124-28 Seguence 28,                | 1-380-124-29 Semience 29.               | 1-380-124-30 Semience 30                  | 200 11 30 20 20 20 20 20 20 20 20 20 20 20 20 20         | 15-3-17 Seducine 31,   | 1-380-124-32 Sequence 32,                | )-380-124-33 Seguence 33,                | 1-200-124-24                            | 15.001 25.00 FC-21-000-0                    | )-380-124-35 Sequence 35,                | )-380-124-36 Seguence 36,                | 1-380-124-37 Semience 37.               | 76 20101000                              | 1-380-124-38 sequence 36,  | )-380-124-39 Sequence 39,                | )-380-124-40 Sequence 40,                | 380-124-41 Semience 41                   | 15-350-124-41 Sequence 41,   | )-380-124-42 Sequence 42,                | )-380-124-43 Seguence 43,                | )-380-124-44 Sequence 44,                | )-380-124-45 Seguence 45,                | 380-124-46 Semience 46              | (a) 000000000000000000000000000000000000 | '/F pomphon /F-F7T-000-/   | , or policing of the policing  | '64 portantiae 64-471-006-1                     | 1-380-124-50 sequence 50,                   | 380-124-51 Sequence 51,                  | )-380-124-52 Sequence 52,                | )-380-124-53 Sequence 53,                | 380-124-54 Sequence 54,                  | 380-124-55 Semience 55.                  | 75 000 000 000 000 000 000 000 000 000 0 | 1.20 1.24 5.3<br>1.200-1.24-6.3           | 7-300-121-3/<br>3-300-134-50<br>Comiondo 50 | 100 -101 -000 00 00 00 00 00 00 00 00 00 00 00 0 | 1-300-124-39 Seducine 39, 19, 19, 19, 19, 19, 19, 19, 19, 19, 1 | 7-200-124-00 Sequence 00,                             | יים ביים כיים כיים כיים כיים כיים כיים כ                    | 1-380-124-62 sequence 62,             | )-380-124-63 Sequence 63,                | 1-380-124-64 Seguence 64,                | 3-180-124-65 Semience 65                 | 75 00000000 75-7000                                 | 1200-124-00 Sequesice 00'                 | 1-380-124-b/                             | )-380-124-68 Seguence 68,                | )-380-124-69 Seguence 69,                | 380-124-70 Sequence 70:                  | 280-124-71 Seminor 71                      | 2-300-124:71<br>-300-134:72<br>-200-134:73 | 77-300-124-72  | )-380-124-73 Sequence 73,                  | )-380-124-74 Sequence 74,                | )-380-124-75 Sequence 75,                | (a) 000000000000000000000000000000000000   |
| 1 US-10-956-157-27131 Sequence 2717<br>1 US-10-956-157-271131 Sequence 2717<br>1 US-10-719-956-30750 Sequence 3075<br>1 US-10-719-956-70566 Sequence 7055<br>1 US-10-719-956-35602 Sequence 7055              | 1 US-10-719-956-374027 Sequence 3740            | l US-10-719-956-501380 Sequence 5013<br>l US-10-719-956-517912 Sequence 5179                       | 1 US-10-719-956-604881 Sequence 6048            | 1 US-10-719-956-612441 Sequence 6124  | 1 US-10-380-124-15 Sequence 15.          | 1 US-10-380-124-16 Sequence 16,          | 1 US-10-380-124-17 Sequence 17,          | 1 US-10-380-124-18 Sequence 18,          | 1 US-10-380-124-19 Sequence 19,          | 1 US-10-380-124-20 Sequence 20,          | 1 US-10-380-124-21 Sequence 21,          | 1 US-10-380-124-22 Semience 22.          | 1 IIS-10-380-124-23 Semience 23         | 1 11S-10-380-124-24 Semience 24          | 1 11G-10-380-124-25 Comience 25          | 1 US-10-380-124-25 Sequence 25,         | I US-10-380-124-26 Sequence 26,          | 1 US-10-380-124-27 Sequence 27,          | 1 US-10-380-124-28 Seguence 28,          | 1 11S-10-380-124-29 Semience 29.        | 1 11S-10-380-124-30 Semience 30           | 1 116_10_200_124_21                                      | 'TC DOWN TC-F7T-000-0T-00 T  | 1 US-10-380-124-32 Sequence 32,          | 1 US-10-380-124-33 Sequence 33,          | 1 110-10-200-124-34                     | 1 03-10-300-12-3- Seducitic 34, 100 1       | l US-10-380-124-35 Sequence 35,          | 1 US-10-380-124-36 Sequence 36,          | 1 IIS-10-380-124-37 Semience 37.        | 1 10 10 10 10 10 10 10 10 10 10 10 10 10 | 1 US-10-380-124-38 Sequence 36,  | 1 US-10-380-124-39 Sequence 39,          | 1 US-10-380-124-40 Sequence 40,          | 1 IIS-10-380-124-41 Semience 41          | 17. 00. 00. 00. 00. 00. 00. 00. 00. 00. 0  | 1 US-10-380-124-42 Sequence 42,          | 1 US-10-380-124-43 Seguence 43,          | 1 US-10-380-124-44 Sequence 44,          | 1 US-10-380-124-45 Sequence 45,          | 1 11S-10-380-124-46                 | 101000000000000000000000000000000000000  | 1 100-101-200-174-47 304-47 304-474 40 40 41 41 41 41 41 41 41 41 41 41 41 41 41 | י מבר מיני של ייני שלי של ייני | '64 aniianhae 64-471-006-01-00 T                | 1 US-10-380-124-50 sequence 50,             | 1 US-10-380-124-51 Sequence 51,          | 1 US-10-380-124-52 Sequence 52,          | 1 US-10-380-124-53 Sequence 53,          | 1 US-10-380-124-54 Sequence 54,          | 1 IIS-10-380-124-55 Semience 55.         | 1 TIC-10-280-124-66 Companyo 56          | 1 110-10-200-124-53                       | 1 03-10-300-121-3) Comission 58             | 1 110-10-104-E                                   | T ne-Tn-20n-Tr4-29 seduence 29,                                 | 1 03-10-300-124-00 36446006 61                        | יייייייייייייייייייייייייייייייייייייי                      | 1 US-10-380-124-62 Sequence 62,       | 1 US-10-380-124-63 Sequence 63,          | 1 US-10-380-124-64 Sequence 64,          | 1 115-10-380-124-65                      | 77 00000000 77-701-011 1                            | 1 03-10-380-124-86 Seductice 86,          | 1 US-IU-38U-124-b/ Seduence b/,          | 1 US-10-380-124-68 Seguence 68,          | 1 US-10-380-124-69 Seguence 69,          | 1 US-10-380-124-70 Sequence 70;          | 1 TIG-10-280-124-71 Secmentary             | 1 116-10-300-124:/1 Company 72             | '7/ = TO - 200 - 37 - 17 - 17 - 17 - 17 - 17 - 17 - 17   | 1 US-10-380-124-73 Sequence 73,            | 1 US-10-380-124-74 Sequence 74,          | 1 US-10-380-124-75 Sequence 75,          | ייי אייי איייי איייי אייייי אייייי אייייי איייייי  |
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| 0.956-157-21159 Sequence 2717<br>0-956-157-271151 Sequence 2717<br>0-719-956-30750 Sequence 3075<br>0-719-956-70566 Sequence 7056<br>0-719-966-3558   | 0.2 1.2 25 1 US-10-719-956-374027 Sequence 3740 | 0.2 1.2 25 1 US-10-719-956-501380 Sequence 5013<br>0.2 1.2 25 1 US-10-719-956-517912 Sequence 5179 | 0.2 1.2 25 1 US-10-719-956-604881 Sequence 6048 | 0.2 1.2 25 1 US-10-719-956-612441 Sequence 6124 20 1 2 20 1 HS-10-380-124-14 Sequence 124 | 0 1.2 20 1 US-10-380-124-15 Sequence 15. | 0 1.2 20 1 US-10-380-124-16 Sequence 16, | 0 1.2 20 1 US-10-380-124-17 Sequence 17, | 0 1.2 20 1 US-10-380-124-18 Sequence 18, | 0 1.2 20 1 US-10-380-124-19 Sequence 19, | 0 1.2 20 1 US-10-380-124-20 Sequence 20, | 0 1.2 20 1 US-10-380-124-21 Sequence 21. | 0 1.2 20 1 US-10-380-124-22 Segmence 22. | 0 1 2 20 1 HS-10-380-124-23 Semience 23 | 0 1.2 20 1 115-10-380-124-24 Semience 24 | 0 1 2 20 1 112-10-280-124-25 Commence 25 | 'cc applianted cz-4z1-05-01-20 10z z:1  | 0 1.2 20 1 US-10-380-124-26 Sequence 26, | 0 1.2 20 1 US-10-380-124-27 Sequence 27, | 0 1.2 20 1 US-10-380-124-28 Sequence 28, | 0 1 2 20 1 HS-10-380-124-29 Semience 29 | 0 1 2 20 1 11S-10-380-124-30 Seminance 30 | 0 1 2 0 1 110_10_10_11 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 1 | TC PATENTAGE TC FAT OCCUPANT OF THE PATENTAGE AND TO THE PATENTAGE AND THE PATENTAGE | 0 1.2 20 1 US-10-380-124-32 Sequence 32, | 0 1.2 20 1 US-10-380-124-33 Sequence 33, | 1 3 30 1 115-10-380-134-34 Semionice 34 | 'te animabas te-tal-occ-or-on to a animabas | 0 1.2 20 1 US-10-380-124-35 Sequence 35, | 0 1.2 20 1 US-10-380-124-36 Sequence 36, | 0 1 2 20 1 HS-10-380-124-37 Semience 37 |  | 'es animale as Transporter as Sequence so'                               | 0 1.2 20 1 US-10-380-124-39 Sequence 39, | 0 1.2 20 1 US-10-380-124-40 Sequence 40, | 0 1 2 20 1 IIS-10-380-124-41 Semience 41 | TE-EST-000-01 TO 7:1   | 0 1.2 20 1 US-10-380-124-42 Sequence 42, | 0 1.2 20 1 US-10-380-124-43 Sequence 43, | 0 1.2 20 1 US-10-380-124-44 Sequence 44, | 0 1.2 20 1 US-10-380-124-45 Sequence 45, | 0 1 2 20 1 HS_10_380_124_46         |  | 1.6 20.1 102-124.1 Sequentics 1.7.   | 1.0  | 'et animas et tallocentes to a animas education | 05 - 10 - 10 - 10 - 10 - 10 - 26 duence 50, | 0 1.2 20 1 US-10-380-124-51 Sequence 51, | 0 1.2 20 1 US-10-380-124-52 Sequence 52, | 0 1.2 20 1 US-10-380-124-53 Sequence 53, | 0 1.2 20 1 US-10-380-124-54 Sequence 54, | 0 1.2 20 1 IIS-10-380-124-55 Semience 55 | 71                                       | 0 1:1 1:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:  | 1 2 20 1 10-10-200-124-0 Commond E          | 10 10 10 10 10 10 10 10 10 10 10 10 10 1         | 1.2 201 I 05-10-200-124-59 Sequence 55,                         | 1.2 2.0 1 102 101 102 21 102 21 102 21 102 21 102 102 | 110 POTENT - 000 COT CT | Ostro-seduence oz,                    | 0 1.2 20 1 US-10-380-124-63 Sequence 63, | 0 1.2 20 1 US-10-380-124-64 Sequence 64, | 0 1.2 20 1 TIS-10-380-124-65 Semience 65 | 33 VCC-VC-VC-VC-VC-VC-VC-VC-VC-VC-VC-VC-VC-         | T.Z ZO I US-117-200-1124-00 Seductive 00' | 0 1.2 20 1 US-1U-38U-124-b/ Sequence b/, | 0 1.2 20 1 US-10-380-124-68 Sequence 68, | 0 1.2 20 1 US-10-380-124-69 Sequence 69, | 0 1.2 20 1 US-10-380-124-70 Sequence 70; | 0 1 2 20 1 IIIC 10 280-124-71 Seminarce 71 | 0 1 2 20 1 100-100-121-7                   | 'A SOURCE STANDS OF STANDS | 0 1.2 20 1 US-10-380-124-73 Sequence 73,   | 0 1.2 20 1 US-10-380-124-74 Sequence 74, | 0 1.2 20 1 US-10-380-124-75 Sequence 75, | (C. COMPANY C. 131 OCC OT CO T CO T CO   |

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| 4399<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400<br>4400 |  |  |

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APPLICANT: Twine, Natalie C.
APPLICANT: Traine, Natalie C.
APPLICANT: Dorner, Andrew J.
APPLICANT: Dorner, Andrew J.
APPLICANT: Slonim, Donna K.
APPLICANT: Stover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AMAIO1080L
CURRENT ELLING DATE: 2003-11-21
PRIOR PLILNG DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4994
SOFTWARE: Pacentin version 3.2
SEQ ID NO 1317
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CURRENT FILING DATE: 2003-11-21
PRIOR PLILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR PLILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SECTUARER: Patentin version 3.2
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Publication No. US20040110221A1
GENERAL INFORMATION:
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US-10-717-597-1319
; Sequence 1319, Application US/10717597
                                               Burczynski, Michael E.
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ORGANISM: Homo sapiens
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US-10-717-597-1318
GENERAL INFORMATION:
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                                                                                  APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Slowim, Donna K.
APPLICANT: Slowim, Donna K.
APPLICANT: Stower, Jennifer A.
TITLE OF INVENTYON: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS;
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT PILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Twine, Nataile C.
APPLICANT: Twine, Nataile C.
APPLICANT: Twine, Nataile C.
APPLICANT: Dorner, Andrew J.
APPLICANT: Stooth, William L.
APPLICANT: Stooth, William L.
APPLICANT: Stooth, Milam L.
APPLICANT: Stooth Dorna K.
APPLICANTON NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR PLILING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
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Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                     Burczynski, Michael E.
Twine, Natalie C.
Dorner, Andrew J.
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SOFTWARE: Patentin version 3.2
SEQ ID NO 1316
LENGTH: 25
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CORGANISM: Homo sapiens
US-10-717-597-1315
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CORGANISM: Homo sapiens
US-10-717-597-1316
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US-10-717-597-1317
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, Application US/10717597

; Publication No. US20040110221A1

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APPLICANT: Wyeth APPLICANT: Wyeth Michael E. APPLICANT: Wyeth Mataile C. APPLICANT: Wyeth Mataile C. APPLICANT: Twine, Mataile C. APPLICANT: Twine, Mataile C. APPLICANT: Trepicchio, William L. APPLICANT: Slonim, Donna K. APPLICANT: Slonim, Donna K. APPLICANT: Slonim, Donna K. APPLICANT: Stover, Jennifer A. ITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REPRENDES. AM101080L. CURRENT APPLICATION NUMBER: US 60/459,782 PRIOR APPLICATION NUMBER: US 60/459,782 PRIOR PLLING DATE: 2003-01-21 PRIOR PLLING DATE: 2003-01-31 
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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     Application US/10717597 . US20040110221A1
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US-10-717-597-1321
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US-10-717-597-1322
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, william L.
APPLICANT: Trepicchio, william L.
APPLICANT: Stower, Jenniam L.
APPLICANT: John L.
APPLICANT
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APPLICANT: MycLin MycLin Mychael B.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchic, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Storim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Pred. No. 72;
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Sequence 1320, Application US/10717597

Publication No. US20040110221A1

GENERAL INFORMATION:

APPLICANT: Wyeth
Publication No. US20040110221A1
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ORGANISM: Homo sapiens
US-10-717-597-1319
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; ORGANISM: Homo sapiens
US-10-717-597-1320
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Gaps

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Indels

DB 1; Length 25; 72;

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APPLICANT: Myclael B.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, Miliam L.
APPLICANT: Trepicchio, Miliam L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTION: MITHORS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM 10180L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR PILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR PILING DATE: 2002-11-21
PRIOR PILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin Version 3.2
SOFTWARE: Patentin Version 3.2
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Sequence 1322, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
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RESULT 10

US-10-717-597-1321

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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Stoorer, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AMIOLO80.
CURRENT APPLICANTION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Dorner, Andrew J.
APPLICANT: Slowin, Donna K.
APPLICANT: Slowin, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
PRIOR PRILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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1.5%; Score 25; DB 1;
Best'Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                 Sequence 1325, Application US/10717597 Publication No. US20040110221A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 1326, Application US/10717597; Publication No. US20040110221A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GGATCCTGCACTCTAACACTCGACT
                                                                                                                    Burczynski, Michael E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
CORGANISM: Homo sapiens
US-10-717-597-1326
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US-10-717-597-1325
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Best Local Similarity
Matches 25; Conserv
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                                                                 APPLICANT: "Jeth Michael E. APPLICANT: Burcaynski, Michael E. APPLICANT: Burcaynski, Michael E. APPLICANT: Twine, Natalie C. APPLICANT: Twine, Natalie C. APPLICANT: Trepicchio, William L. APPLICANT: Slowin, Donna K. APPLICANT: Slowin, Donna K. TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REPERENCE: ANAIO1080L J. CURRENT APPLICATION NUMBER: US 60/459, 782 PRIOR PLLING DATE: 2003-11-21 PRIOR APPLICATION NUMBER: US 60/427,982 PRIOR PLLING DATE: 2003-11-21 NUMBER: US 60/427,982 PRIOR FILING DATE: 2002-11-21 NUMBER: Patentin version 3.2 SOFTWARE: Patentin version 3.2 SEQ ID NO 1323 LENGTH: 25
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APPLICANT: Myclael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT PILING DATE: 2003-104-03
PRIOR PLING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Sequence 1323, Application US/10717597 Publication No. US20040110221A1 GENERAL INFORMATION: APPLICANT: Wyeth
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Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 25; Conservative
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; ORGANISM: Homo sapiens
US-10-717-597-1323
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; ORGANISM: Homo sapiens
US-10-717-597-1324
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Sequence 25933, Application US/10956157
; APPLICANT: Wyeth
; APPLICANT: Wyeth
; APPLICANT: Wounts, William
; APPLICANT: Wounts, William
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT PILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25933
ILENGTH: 25
                                             Sequence 1329, Application US/10717597

Sequence 1329, Application US/10717597

Publication No. US20040110221A1

GENERAL INFORMATION.

APPLICANT: Wyeth

APPLICANT: Twine, Natalie C.

APPLICANT: Trepicchio, William L.

APPLICANT: Slonim, Donna K.

APPLICANT: Slonim, Donna K.

APPLICANT: Slonim, Donna K.

APPLICANT: Slonim, SETHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS

TITLE OF INVENTION NUMBER: US/10/717,597

CURRENT FILING DATE: 2003-11-21

PRIOR PLILING DATE: 2003-11-21

PRIOR PLILING DATE: 2003-11-21

PRIOR PLILING DATE: 2002-11-21

PRIOR PLILING DATE: 2002-11-21

PRIOR PLILING DATE: 2002-11-21

NUMBER OF SEQ ID NOS: 4904

SOFTWARE: Patentin version 3.2

SEQ ID NO 1229

LENGTH: 26
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US-10-956-157-25934
Sequence 25934, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-25933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens US-10-717-597-1329
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                                                                                                                                                APPLICANT: MycLin Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTYON: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/07/17,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin Version 3.2
LENGTH: 25
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stower, Jenniam K.
APPLICANT: Stower, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AMIO1080L
CURRENT APPLICATION NUMBER: US 60/459, 782
PRIOR FILING DATE: 2003-04-03
PRIOR PLICATION NUMBER: US 60/459, 782
PRIOR PLICATION NUMBER: US 60/427, 982
PRIOR PLICATION NUMBER: US 60/427, 982
PRIOR PLICATION NUMBER: US 60/427, 982
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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72;
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100.0%; Pred. No. /r.
0; Mismatches
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RESULT 14
US-10-717-597-1327
Sequence 1327, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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APPLICANT: Wyeth
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Matches 25; Conservative
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; ORGANISM: Homo sapiens
US-10-717-597-1327
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ORGANISM: Homo sapiens
US-10-717-597-1328
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US-10-717-597-1328
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Sequence 25937, Application US/10956157
Sequence 25937, Application US/10956157
Sequence 25937, Application US/10956157
Sequence 25937, Application US/10956157
Sequence 25937, Application US20050118625A1
GENERAL INFORMATION: William
APPLICANT: Weath
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 03196-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25937
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITHTIE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN version 3.2
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Length 25;
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1.5%; Score 25; DB 1;
100.0%; Pred. No. 72;
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100.0%; Pred. No. 72;
Pative 0; Mismatches
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100.0%; Pred. No. ...
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                Best Local Similarity
Matches 25; Conserv
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Best Local Similarity
Matches 25; Conserv
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Best Local Similarity
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LENGTH: 25
    Query Match
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             APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25934
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Would William
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 25935

LENGTH: 25
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Sequence 25936, Application US/10956157

Sequence 25936, Application US/10956157

Sequence 25936, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

LENGTH: 25
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; ORGANISM: Probe Sequence
US-10-956-157-25934
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; ORGANISM: Probe Sequence
US-10-956-157-25935
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  APPLICANT: Wyeth
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Best Local S:
Matches 25
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Sequence 25943, Application US/10956157
; Sequence 25943, Application No. US20050118625A1
; Publication No. US20050118625A1
; Barlicant No. US20050118625A1
; APPLICANT: Wyeth
; APPLICANT: Wouths, William
; TITLE OF INVENTION: HUMAN OSTEGARTRITIS AND HUMAN PROTEASES
; TITLE OF INVENTION: HUMAN OSTEGARTRITIS AND HUMAN PROTEASES
; TITLE OF INVENTION: UNMBER: US/10/956,157
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE; Patentin version 3.2
; SEQ ID NO 25943
; LENGTH: 25
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US-10-956-157-25942

Sequence 25942, Application US/10956157

Sequence 25942, Application No. US20050118625A1

Sequence 25942, Application US/10/956,157

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 25942

LENGTH: 25
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100.0%; Pred. No. /w,
... 0; Mismatches
  red. No. 72;
Mismatches
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Sequence 25944, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
HODICANT: Mounts, William
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       Best Local Similarity 100.
Matches 25, Conservative
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Best Local Similarity
Matches 25; Conserv
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-110-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2
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Sequence 25940, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
TILE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
TILE OF INVENTION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25940
LENGTH: 25
APPLICANT: Mounts, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERRNCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Petentin version 3.2

SEQ ID NO 25339

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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-25941
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; ORGANISM: Probe Sequence
US-10-956-157-25939
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US-10-956-157-25941
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US-10-956-157-25940
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LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REPRENCE: 031995-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
SOFTWARE: PATENTIN VERSION 3.2
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mounts, William
TITLE OF INVENTION: WOLGERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUGARIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUGARN OSTEGARTREITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NOS: 319805
SEQ ID NOS: 32945
LENGTH: 25
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TITLE OF INVENTION: WOCLETC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 52946
LENGTH: 25
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72;
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100.0%; Pred. No.
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Bublication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100. Matches 25, Conservative
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Matches 25; Conservative
                                                                                                                                                                                                             TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-25944
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US-10-956-157-25946
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ORGANISM: Probe Sequence
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US-10-956-157-25945
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Sequence 25947, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
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APPLICANT: Wyeth

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENT NEIGHT OF THE 
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; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Wouts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
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Publication No. US20050118625A1
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SOFWARE: Patentin version 3.2
SEQ ID NO 25947
LENGTH: 25
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Best Local Similarity 100.(
Matches 25; Conservative
25; Conservative
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US-10-956-157-25947
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US-10-956-157-25949
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Sequence 25953, Application US/10956157

Sequence 25953, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: WUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNMARR: US/10/956,157

CURRENT FILING DATE: 2004-10-04

SOUTHWARE PATENTING ATE: 2004-10-04

SOUTHWARE PATENTING ATE: 2004-10-04

SEQ ID NO 25953

LENGTH: 25
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Sequence 25954, Application US/10956157

Sequence 25954, Application World US/10956157

Sequence 25954, Application World US/10956157

GRNERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
                                                                                                                                                   US-10-956-157-25952
US-10-956-157-25952
US-10-956-157-25952
Sequence 23952, Application US/10956157
Sequence 23952, Application US/10956157
Publication No. US20050118625A1
Sequence 23952, Application US/10956157
TITLE OF INVENTION: WILLIAM
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH-
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
FILE REFREBENCE: 031996-044000 (AM 101081)
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25952
LENGTH: 25
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Best Local Similarity 100.º
Matches 25; Conservative
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-25953
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US-10-956-157-25952
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Sequence 25951, Application US/10956157
Sequence 25951, Application US/10956157
Sequence 25951, Application US/20050118625A1
Sequence 25951, Application No. US20050118625A1
Sequence 25951, Application No. US20050118625A1
Sequence 25951, Application No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OGTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNDER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: 0.0000 (AM 101081)

CURRENT PELING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 25950
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25949
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Best Local Similarity 100.0%; Pred. No.
Matches 25; Conservative 0; Mismatc
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Best Local Similarity 100.0
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-25951
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US-10-956-157-25950
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US-10-956-157-25950
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DETECTING GENE EXPRESSION ASSOCIATED WITH
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: WOUNTS, WILLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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| Publication No. US20050118625A1
| Publication No. US20050118625A1
| APPLICANT: Wyeth | APPLICANT: Wounts, William | APPLICANT: Mounts, WILLIAM | APPLICANT: MOUTSIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH: TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES | PILE REFERENCE: 031896-043000 (AM 101081)
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 122144
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-122144
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; ORGANISM: Probe Sequence
US-10-956-157-127897
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: S004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25955
LENGTH: 25
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Subjication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
ITILE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFRENCE: 031896-04300 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
ISBQ ID NO 25956
LENGTH: 25
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PELLINGN NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25954
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                      TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-25954
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US-10-956-157-25955
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ORGANISM: Probe Sequence
US-10-956-157-25956
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US-10-956-157-25955
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APPLICANT: Wyeth Milliam APPLICANT: Wyeth Mounts, William APPLICANT: Wyeth Mounts, William APPLICANT: Wounts, William APPLICANT: Mounts, William APPLICANT: MOUCHEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH. TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081) CURRENT APPLICATION WUMBER: US/10/956,157 CURRENT APPLICATION WUMBER: US/10/956,157 NUMBER OF SEQ ID NOS: 319805 SOFTWARE: PATENTIN VESSION 3.2
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Publication No. US20050118625A1

Publication No. US20050118625A1

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

FILE REFERENCE: 2004-10-04

CURRENT APPLICATION UNDER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
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| Sequence 14327, Application US/20050118625A1
| GENERAL INFORMATION:
| APPLICANT: Ween William
| TITLE OF INVENTION: HUMAN OSTERCARTHRITIS AND HUMAN PROTEASES
| FILE REPERENCS: 031896-043000 (AM 101081)
| FILE REPERENCS: 031896-043000 (AM 101081)
| CURRENT APPLICATION NUMBER: US/10/956,157
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     Sequence 139926, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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SEQ ID NO 140752
LENGTH: 25
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Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-139926
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US-10-956-157-140752
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US-10-956-157-134947

US-10-956-157-134947

US-10-956-157-134947

Sequence 1334947, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William
APPLICANT: Woeth
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPRENCE: 0310806-043100 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN version 3.2
SEQ ID NO 134947
LENGTH: 25
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Sequence 135244, Application US/10956157

Sequence 135244, Application US/10956157

Sequence 135244, Application US/10956157

Sequence 135244, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OFTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENTIN VERSION 3.2
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72;
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO : Patentin version 3.2
SEQ ID NO : 131009
LENGTH: 25
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hes 25; Conservative
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US-10-956-157-131009
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CRGANISM: Probe Sequence
US-10-956-157-134947
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LENGTH: 25
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Matches
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APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wounts, William APPLICANT: Wounts, William APPLICANT: Wounts, William APPLICANT: Wounts, William ITTLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITE AND HUMAN PROTEASES CURRENT FILE REFERENCE: 031896-43000 (AM 101081)
CURRENT APPLICATION UNDERS: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts,
APPLICANT: WOUNTS,
APPLICANT: WOUNTS,
APPLICANT: WOUNTS,
APPLICANT: WILLIE AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WOMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 158656
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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72;
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100.0%; Pred. No. 72;
Ative 0; Mismatches
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                                                                                     US-10-956-157-156812; Application US/10956157; Sequence 156812, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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1 ACCGGCAGCAGCACACATGCTGGA 25
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ORGANISM: Probe Sequence
US-10-956-157-156812
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Best Local Similarity
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US-10-956-157-159440
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 146594
LENGTH: 25
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100.0%; Pred. No. ...
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; Sequence 146923, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INPORMATION:
  2004-10-04
                         NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
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Best Local Similarity 100.
Matches 25; Conservative
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                                                                                                                      ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-141327
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ORGANISM: Probe Sequence
US-10-956-157-146594
  CURRENT FILING DATE:
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                                                                    SEQ ID NO 141327
LENGTH: 25
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GENERAL INCLUSION:

APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Worth
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APPLICANT: Worth
APPLICANT: Worth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUGHEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUGHE OF TOWN OF THE REFERENCE: 031896-043000 (AM 10.1081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 174696
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
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Publication No. US20050118625A1
REBERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANTON: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PAPLICATION UMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
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                                                                                            Sequence 174696, Application US/10956157 Publication No. US20050118625A1 GENERAL INFORMATION:
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SEQ ID NO 174708
LENGTH: 25
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; ORGANISM: Probe Sequence
US-10-956-157-174696
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Sequence 16821, Application No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

SOFTWARE PALEARTH SEQUENCE SOFTWARE PALEARTH NUMBER OF SEQ ID NOS: 319805
SOFTWARE PALEARTH VERSION 3.2
SEQ ID NO 168291

LENGTH: 25
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Fublication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US,10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

LENGTH: 25
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100.0%; Pred. No. '..,
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NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 159440
LENGTH: 25
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Matches 25, Conservative
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                                                                                          ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-159440
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ORGANISM: Probe Sequence
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ORGANISM: Probe Sequence
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-168291
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Sequence 178867, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wounts, William

APPLICANT: Wounts, Wounts, William

APPLICANT: Wounts, Would AND OSTEOARTHRITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNDER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 178867

LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Woute,

APPLICANT: Woute,

TITLE OF INVENTION: HUMAN OSTEOMATHRITIS AND HUMAN PROTEASES

TITLE REPERENCE: 011896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 186901

LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,1157

CURRENT FILLING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
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Pred. No. 72;
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100.0%; Pred. No. '~'.
''. 0; Mismatches
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Best Local Similarity
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Best Local Similarity
Matches 25; Conserv
                         RESULT 61
US-10-956-157-178867
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Sublication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Myeth
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 178550
LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTMARE: Patentin version 3.2
SOFTMARE: Patentin version 3.2
LENGTH: 25
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Pred. No.
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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1.5%; Soc
Best Local Similarity 100.0%; Pi
Matches 25; Conservative 0;
SOFTWARE: Patentin version 3.2
SEQ ID NO 174902
LENGTH: 25
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; ORGANISM: Probe Sequence
US-10-956-157-176821
                                                                                              , ORGANISM: Probe Sequence
US-10-956-157-174902
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ORGANISM: Probe
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Publication No. U220050118625A1
| Publication No. U220050118625A1
| Publication No. U220050118625A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth Nounts, William
| APPLICANT: Wyeth Nounts, William
| TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
| FILE REPERENCE: 031896-043000 (AM 101081)
| FILE REPERENCE: 031896-043000 (AM 101081)
| CURRENT APPLICATION NUMBER: US/10/956,157
| CURRENT PILING DATE: 2004-10-04
| NUMBER OF SEQ ID NOS: 319805
| SOFTWARE: Patentin version 3.2
| SEQ ID NO 188008
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wheth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: US/10/956.157

CURRENT APPLICATION NUMBER: US/10/956.157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 188038
                                   Sequence 186914, Application US/10956157

Sequence 186914, Application US/10956157

Publication No. US20050118625A1

Publication No. US20050118625A1

REBREAL INFORMATION:

APPLICANT: Wounts, William

APPLICANT: Wounts, Wolcher C ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

LENGTH: 25
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-186914
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US-10-956-157-188038
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US-10-956-157-188008
RESULT 66
US-10-956-157-186914
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US-10-956-157
US-10-956-167
US
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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                                                                                                                                                                                                           Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.0
Matches 25; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-186903
                                                                                  TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-186902
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              ; SEQ ID NO 186902
; LENGTH: 25
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APPLICANT: Mounts, William APPLICANT: Mounts, William APPLICANT: Mounts, William APPLICANT: Mounts, William APPLICANT: Mounts, WILLIA OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 193107
LENGTH: 25
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APPLICANT: Wounts, William
APPLICANT: MOUNTS, WILLIAM
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SSOFTWARE: Patentin version 3.2
SSOFTWARE: Patentin version 3.2
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Sequence 19437, 7, 4pplication US/10956157

Sequence 19437, 7, 4pplication US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031896-04300 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 194937

LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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100.0%; Pred. No. 72;
ive 0; Mismatches
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                               Sequence 193107, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-193726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-956-157-193726
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Sequence 189641, Application US/10956157
Sequence 189641, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: WOUNTS NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WHERE: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 189641
LENGTH: 25
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Sequence 19186-01300 Usy 10956157
Sequence 191487.
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                   407 CTGCATGAAGTTCTACGCACGCGTC 431
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Best Local Similarity 100.
Matches 25, Conservative
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Matches 25, Conservative
                                   ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-188038
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CRGANISM: Probe Sequence
US-10-956-157-189641
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US-10-956-157-191487
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LENGTH: 25
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US-10-956-157-199713

US-10-956-157-199713

Sequence 199713, Application US/10956157

Sequence 199713, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Woute, William
APPLICANT: Woute, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION UNDER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 199713

LENGTH: 25

LENGTH: 25
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US-10-956-157-206442

Sequence 206442, Application US/10956157

Sequence 206442, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNDER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 206442

LENGTH: 25

THEORY OF THE TOWN 
Sequence 196424, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 196424
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Best Local Similarity 100.0%; Pi
Matches 25; Conservative 0;
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Best Local Similarity 100.0
Matches 25; Conservative
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CORGANISM: Probe Sequence
US-10-956-157-199713
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ORGANISM: Probe Sequence
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Sequence 195328, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WHOBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOCTHARE: PATENTING VALE: 25
LENGTH: 25
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CURRENT APPLICATION WUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CCCGCCAACAGAATTCATACGAGAA 25
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Best Local Similarity 100.0
Matches 25; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-195328
                                                           ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-194937
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US-10-956-157-196424
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US-10-956-157-195368
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US-10-956-157-195328
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyelm
APPLICANT: Wyelm
TITLE OF INVENTION: MULEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 215054
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Publication No. US20050118625A1
Publication No. US20050118625A1
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENT: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENT: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 216983
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APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNMER: US/10/956,157
CURRENT APPLICATION UNS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 218349
LENGTH: 25
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1.5%; Score 25; DB 1;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-216983
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ORGANISM: Probe Sequence
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: UNCLERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 10.081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 208499
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, Wolleic Acid Arrays for Detecting Gene Expression Associated With
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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100.0%; Pred. No. 72;
iive 0; Mismatches 0; Indels
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 10v...
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Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conservative
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CRGANISM: Probe Sequence
US-10-956-157-208499
               ; ORGANISM: Probe Sequence US-10-956-157-206442
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US-10-956-157-208499
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US-10-956-157-215054
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US,10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NOS: 319805
SEQ ID NOS: 20245
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Woute, William
APPLICANT: Woute, William
TITLE OF INVENTION: NUCLERIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 221279
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 220245, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 25; Conservative
                                                                                                                                                                                                                                                                                               ; ORGANISM: Probe Sequence
US-10-956-157-219734
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US-10-956-157-221279
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Matches 25; Conserv
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US-10-956-157-220245
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LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Weeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN Version 3.2
SEQ ID NO 218351
LENGTH: 25
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Sequence 218350, Application US/10956157

Sequence 218350, Application US/10956157

Sequence 218350, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHOER: US/10/956,157

CURRENT APPLICATION WHOER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

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SEQ ID NO 218350

LENGTH: 25
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                                         1.5%; Score 25; DB 1;
100.0%; Pred. No. 72;
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100.0%; Pred. No. ...
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100.0%; Pred. No. 72;
ive 0; Mismatches
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                                      Query Match
Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conservative
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ORGANISM: Probe Sequence
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US-10-956-157-218351
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nes 25; Conserv
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US-10-956-157-218349
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE FEFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTMARE: PATENTIN version 3.2
SEQ ID NO 225352
LENGTH: 25
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US-10-956-157-228789, Application US/10956157 .
Fublication No. US20050118625A1
GENERAL INFORMATION:
MUCHEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH:
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Parentin version 3.2
SEQ ID NO 228789
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Sequence 229312, Application US/10956157
Sequence 229312, Application US/10956157
Publication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounte, William
APPLICANT: WOUNTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 229312
LENGTH: 25
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Pred. No. 72;
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v 100.0%; Pre
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1. Similarity 100.0%;
25; Conservative 0
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Best Local Similarity
Matches 25; Conserv
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTEOAFTHRITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

WUMBER OF SEQ ID NOS: 319805
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Sequence 222407, Application US/10956157

Sequence 222407, Application US/10956157

Sequence 222407, Application No. US20050118625A1

Sequence 222407, Application No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Whouts, William
APPLICANT: Whouts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFFWARE: Patentin version 3.2

SEQ ID NO 222407
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       Query Match
1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Publication No. US20050118625A1
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SEQ ID NO 221280
LENGTH: 25
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ORGANISM: Probe Sequence
US-10-956-157-221280
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ORGANISM: Probe Sequence
US-10-956-157-222407
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Best Local Similarity
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APPLICANT: Mounts, William TITLE OF INVENTION: NOCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: NOCLEIC ADDARDAY FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES FILE REPERENCE: 031896-043000 (AM 101081) CURRENT APPLICATION NUMBER: US/10/956,157 CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SEQ ID NOS: 319805 SEQ ID NO 231573 LENGTH: 25
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US-10-956-157-231724

US-10-956-157-231724

US-10-956-157-231724

Sequence 231274A Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wouts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNDER: US/10/956,157

CURRENT APPLICATION NUMBER: 2004-10-04

CURRENT APPLICATION NUMBER: 2004-10-04

SOFTWARE PATENTED

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LENGTH: 23

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US-10-956-157-231783, Application US/10956157

Sequence 231783, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHORE: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 231783
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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US-10-956-157-231573
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CRGANISM: Probe Sequence
US-10-956-157-231783
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Best Local Similarity
Matches 25; Conserv
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Publication No. US20050118625A1
Rublication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1
Publication No. US20050118625A1
Publication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wounts, william
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE Patentin Version 3.2
SEQ ID NO 230317
LENGTH: 25
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          DB 1; Length 25; 72;
                                                         0; Indels
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Pred. No. 72;
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100.0%; Pred. No. /.,
       1.5%; Score 25; DB
100.0%; Pred. No. 72;
tive 0; Mismatches
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Query Match
Best Local Similarity 100.0
Matches 25, Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-230136
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ORGANISM: Probe Sequence
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Best Local Similarity
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Matches 25; Conserv
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US-10-956-157-230317
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 233762
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 235882, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOCTUMENT FILING DATE: 2004-10-04
SOCTUMENT FILING DATE: 2004-10-04
SOCTUMENT FILING DATE: 2004-10-05
SOCTUMENT FILING DATE: 2004-10-05
SEQ ID NO 235882

LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Wyeth
APPLICANT: Wouth
APPLICANT: Woth
APPLICANT: Wouth
APPLICANT
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72;
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100.0%; Pred. No. ...
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100.0%; Pred. No.
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-235882
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Best Local Similarity
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Matches 25; Conserv
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US-10-956-157-235882
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, WILLE ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 232704
LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
FILE REPERENCE: 03189-043.000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 233030
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches 0; Indels
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             Best Local Similarity 100.0%; Pred. No. 72, Matches 25; Conservative 0; Mismatches
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// Publication No. US20050118625A1
// GENERAL INFORMATION:
// APPLICANT: Wyeth
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CORGANISM: Probe Sequence
US-10-956-157-233030
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Matches 25; Conserv
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US-10-956-157-232704
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US-10-956-157-233030
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Sequence 251184 Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wouths, William

TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES

TITLE OF INVENTION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 253138

LENGTH: 25
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES PILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 431992
LENGTH: 25
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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US-10-956-157-252760
                                                                                                                                                                                   TYPE: DNA; ORGANISM: Probe Sequence US-10-956-157-243092
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Best Local S
Matches 25
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
                                                                                                                                                                                               Sequence 237538, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTRRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTRRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTRRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PALENTIN Version 3.2

SEQ ID NO 237638

LENGTH: 25
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US-10-956-157-238337

Sequence 238337, Application US/10956157

Sequence 238337, Application US/20050118625A1

Sequence 238337, Application US/20050118625A1

SEQUENCE INFORMATION: Worth

APPLICANT: Wyeth

APPLICANT: Wounts, William

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPRENCE: 031886-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 238337

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Mismatches 0
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100.0%; Pred. No.
:ive 0; Mismatcl
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                                                                                              1 GAGGCATGATGAAGACTCTGCTGCT 25
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Matches 25; Conservative
                        25; Conservative
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US-10-956-157-238337
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ORGANISM: Probe Sequence
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Best Local Similarity
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US-10-956-157-237638
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Sequence 261789, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Weach
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 261789
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILLS REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE PATENTIN VERSION 3.2
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PILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2556203
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-256203
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CRGANISM: Probe Sequence
US-10-956-157-266662
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LENGTH: 25
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Publication No. US20050118625A1
GENERAL INRORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Wounts, William
APPLICANTON HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 255957
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
FILE REPRENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
LENGTH: 25
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APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
ITLE OF INVENTION: HUMAN OFTEOARTHRITIS AND HUMAN PROTEASES
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                             596 GTCCAGCATCATAGACGAGCTCTTC 620
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Publication No. US20050118625A1
GENERAL INFORMATION:
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; ORGANISM: Probe Sequence
US-10-956-157-255424
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; ORGANISM: Probe Sequence
US-10-956-157-255957
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Sequence 274 079, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH-
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: UNMBER: US/10/956,157
CURRENT FAPILICATION WHOMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PATENTIN VERSION 3.2
SOFTWARE PATENTIN VERSION 3.2
SEQ ID NO SEQ ID NOS: 319805
SEQ ID NO SEQ ID NOS: 319805
SEQ ID NO SEQ ID NOS: 319805
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Sequence 274264, Application US/10956157

GENERAL INFORMATION:
APPLICANT: Weth
APPLICANT: Wouths, William
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION HUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 273702
LENGTH: 25
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Pred. No.
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7 100.0%; Pred
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US-10-956-157-273702
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; ORGANISM: Probe Sequence
US-10-956-157-274264
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US-10-956-157-274079
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Best Local Similarity
Matches 25; Conserv
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                                                                                                                                                                                                                                                                                                                                     APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES: Patentin version 3.2
SEQ ID NO 268124
LENGTH: 25
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Sequence 269972, Application US/10956157

Sequence 269972, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPERENCE: 031896-043000 (Am 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILLING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 269972
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE REFERENCE: 031896-043000 (AM 101081)
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100.0%; Pred. No. 72;
tive 0; Mismatches
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              566 GGATGTCATGCAGGACCACTTCAGC 590
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                                                                                                                                                                                                                                              ; Sequence 268124, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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US-10-956-157-268124
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; ORGANISM: Probe Sequence
US-10-956-157-269972
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US-10-956-157-268124
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US-10-956-157-273702
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Best Local
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Sequence 286427, Application US/10956157

Publication No. US2050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILLS REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILLING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2
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APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN GOTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 285561
LENGTH: 25
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72;
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SOFTWARES: Patentin version 3.2 SEQ ID NO 281215 LENGTH: 25
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US-10-956-157-285561
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Best Local Similarity
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US-10-956-157-285561
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LENGTH: 25
                                                                                                                       TYPE: DNA
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                                                                                                                                                                                                                                     APPLICANT: Mounte, William TITLE OF INVESTIGATE AND ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES CURRENT FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 274647
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031895-0431000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
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US-10-956-157-279222
; Sequence 279222, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INPORMATION:
; APPLICANT: Wyeth
                                                                                                                                         Sequence 274647, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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1 GGCGAAGACCAGTACTATCTGCGGG
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Best Local Similarity 100.0
Matches 25; Conservative
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ORGANISM: Probe Sequence
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ORGANISM: Probe Sequence
US-10-956-157-279222
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 10.081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
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                                                                                                                                                                                   DB 1; Length 25; 72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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; Sequence 222272, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INPORMATION:
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NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 291738
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SOFTWARE: Patentin version 3.2
SEQ ID NO 292272
LENGTH: 25
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                                                                                      TYPE: DNA
CRGANISM: Probe Sequence
US-10-956-157-291738
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US-10-956-157-292100
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LENGTH: 25
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                                                                       LENGTH
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                                                                                                    Sequence 285688, Application US/10956157

Publication No. US20050118625A1

GENERAL INCRMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOATHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOGTWARE: Patentin version 3.2
SEQ ID NO 285688
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTRRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031986 043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 227832
LENGTH: 25
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Sequence 291738, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTECOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04
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Pred. No. 72;
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100.0%; Pred. No. ...
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%5equence 287832, Application US/10956157

%Publication No. US20050118625A1

%GENERAL INFORMATION:
1 TGCAATGAGACCATGATGGCCCTCT 25
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; ORGANISM: Probe Sequence
US-10-956-157-285688
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; ORGANISM: Probe Sequence
US-10-956-157-287832
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Best Local Similarity
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US-10-956-157-285688
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APPLICANT: Wyeth
APPLICANT: Woults, William
APPLICANT: MOUNTS, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITES AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SSQ ID NO 317598
LENGTH: 25
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Sequence 287991, Application US/10956157

Publication No. US2050118625A1

Sequence 287991, Application US/10956157

Sequence 287991, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: US/10/956,157

TITLE OF INVENTION: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: ParentIn version 3.2

SEQ ID NO 287991

LENGTH: 25
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Pred. No. 72;
Mismatches 0
                                                                                                                                                                   1.5%; Score 25; DB 1;
llarity 100.0%; Pred. No. 72;
Conservative 0; Mismatches
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100.0%; Pred. No. 90;
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100.0%; Pred. No.
ive 0; Mismatcl
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SOFTWARE: Patentin version 3.2
SEQ ID NO 316681
LENGTH: 25
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Best Local Similarity 100.
Matches 25; Conservative
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Matches 24; Conservative
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US-10-956-157-317598
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US-10-956-157-287991
                                                                                                                                                                     Query Match
Best Local Similarity
Matches 25; Conserv
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                                                                                               ; ORGANISM: Probe US-10-956-157-316681
                                                                           TYPE: DNA
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                                                                             Sequence 297166, Application US/10956157

Subbication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANTON HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 297166
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANTON: UNCLERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FAPLICATION UNDER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 302171
LENGTH: 25
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| Publication No. US20050118625A1
| GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Wyeth | APPLICANT: Wounts, William | APPLICANT: Wounts, WIlliam | APPLICANT: Wounts, WILLIAM OSTEOATHRITIS AND HUMAN PROTEASES | FILE REFERENCE: 031896-043000 (AM 101081) | FILE REFERENCE: 031896-043000 (AM 101081) | CURRENT APPLICATION UNDER: US/10/956,157 | CURRENT FILING DATE: 2004-10-04 | NUMBER OF SEQ ID NOS: 319805
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72;
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72;
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100.0%; Pre
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-302171
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Matches 25; Conserv
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US-10-956-157-302171
                                                                           US-10-956-157-297166
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APPLICANT: Nation, Collect
APPLICANT: Molison, Collect
APPLICANT: Molison, Collect
APPLICANT: Molison, Collect
APPLICANT: Molison, Collect
AITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRANING 20-0-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 17
LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Breter P. Monia
| APPLICANT: Breter P. Monia
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRESENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT PILING DATE: 2003-03-10
| NUMBER OF SEQ ID NOS: 90
| LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
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      Rennie, Paul S.
Miyake, Hideaki
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Matches 23; Conservative
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RESULT 134
US-10-719-956-187214

i Sequence 187214, Application US/10719956

i Publication No. US20040146910A1

i GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

i TITLE OF INFORMATION:

CURRENT PELIGNE 35.7.1

CURRENT PILION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

i PRIOR PILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 187214
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.4%; Score 23.4; DB 1; Length 25; Best Local Similarity 96.0%; Pred. No. 1e+02; Matches 24; Conservative 0; Mismatches 1; Indels
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100.0%; Pred. No. 93;
iive 0; Mismatches 0; Indels
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US-10-080-794-17/c
'Sequence 17, Application US/10080794
'Publication No. US20030166591A1
'GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-187214
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Best Local Similarity 100.
Matches 23; Conservative
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ORGANISM: HUMAN
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Maxim
APPLICANT: Gleave, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Gronos, Efecathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. D-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 66
SEQ ID NO 66
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannas
FILEANT: Trougakos, Ioannas
FILE REPERENCE: UBC.P.030
CURRENT APPLICATION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P.030
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-09-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 23
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1.4%; Score 23; DB 1
Best Local Similarity 100.0%; Pred. No. 93;
Matches 23; Conservative 0; Mismatches
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Sequence 66, Application US/10646436
Publication No. US20040096882A1
GENERAL INFORMATION:
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ORGANISM: human
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US-10-646-436-63
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APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P.030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PAPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR PAPLICATION NUMBER: US 60/473,387
PRIOR PAPLICATION NUMBER: US 60/473,387
PRIOR PAPLICATION NUMBER: US 60/473,387
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 23
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Sequence 60, Application US/10646436

Publication No. US200040096882A1

GENERAL IRFORMATION:

APPLICANT: Jansen, Burkhard

APPLICANT: Signaeveky, Maxim

APPLICANT: Signaeveky, Maxim

APPLICANT: Establic Eliana

APPLICANT: Establic Eliana

APPLICANT: Trougakos, Icannis

APPLICANT: Trougakos, Icannis

APPLICANT: Gonos, Efstathios

TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins

FILE REFERENCE: UBC. P-030

CURRENT APPLICATION NUMBER: US 60/405, 193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-60-03

PRIOR FILING DATE: 2003-05-03

PRIOR FILING DATE: 2003-05-03

NUMBER OF SEQ ID NOS: 68

SOFTWARE: PatentIn version 3.2

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Mismatches
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100.0%; Pred. No.
:ive 0; Mismatcl
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Publication No. US20040096882A1
GENERAL INFORMATION
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
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US-10-646-436-60
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Sequence 167170, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 167170

LENGTH: 25
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US-10-956-157-167171
Sequence 167171, Application US/10956157
Sequence 167171, Application US/10956157
Sequence 167171, Application US/10956157
Sequence 167171, Application No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wounts,
APPLICANT: Wounts,
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION HUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 167171
LENGTH: 25
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                                                               1.3%; Score 22; DB 1; Length 25; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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llarity 100.0%; Pred. No. 1.4e+02;
Conservative 0; Mismatches 0;
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US-10-956-157-228788
; Sequence 228788, Application US/10956157
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                                                                                                               Conservative
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Best Local Similarity 100.
Matches 22; Conservative
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US-10-956-157-167170
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    ORGANISM: Probe Sequence
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Best Local Similarity
Matches 22; Conserv
                                                                                      Best Local Similarity
Matches 22; Conserv
         ; OKGANISM: FICUE .
US-10-956-157-167169
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                                                                      Query Match
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                                    APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 291041
LENGTH: 25
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Publication No. US20050152908A1
GENERAL INFORMATION:
TITLE OF INVENTION: LIVER CANCER BIOMARKERS
FILE REPERENCE: 4231/2072
CURRENT APPLICATION NUMBER: US/10/980,850
CURRENT FILING DATE: 2004-11-03
FRIOR FILING DATE: 2003-11-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin version 3.1
SEG ID NOS: 46
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Reverse Primer for OAS1
US-10-980-850-34
                                                                                                                                                                                                                                                                                                                                                                                                                                           1114 CCTCCTTGCTGGAGCAGCTGAAC 1136
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Matches 23, Conservative
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ORGANISM: Probe Sequence
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GENERAL INFORMATION:
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LENGTH: 25
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US-10-719-900-417945

Sequence 417945. Application US/10719900

Publication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse.

FILE REFERENCE: 3203

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT APPLICATION NUMBER: 604427,808

PRIOR PILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 417945

LENGTH: 25
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Sequence 417946, Application US/10719900

Publication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

ITILE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528.1

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11 20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 417946

LENGTH: 25

LENGTH: 25
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92.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 2;
                                               Score 21.8; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 2;
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; Publication No. US20050026164A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GAACGACCAGTTGAACTGGGTGTCC 25
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                                               Query Match
Best Local Similarity 92.0°
Matches 23; Conservative
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Best Local Similarity 92.09
Matches 23; Conservative
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US-10-719-900-417945
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US-10-719-900-815718
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       US-10-719-900-56804
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Weath
TITLE OF INVENTION: MULLEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-04300 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARR: Patentin version 3.2
SEQ ID NO 228788
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US-10-956-157-279365

US-10-956-157-279365

Sequence 279365, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (Am 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 279365

LENGTH: 25
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SOCTIMARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56804
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                              1.3%; Score 22; DB 1; Length 25; 100.0%; Pred. No. 1.4e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.3%; Score 22; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 22; Conservative 0; Mismatches 0; Indels
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Publication No. US20050026164A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITUE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT PPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
PRIOR FILING DATE: 2002 11 20
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; ORGANISM: Probe Sequence
US-10-956-157-279365
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; ORGANISM: Probe Sequence
US-10-956-157-228788
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Best Local Similarity
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, ORGANISM: Rattus norvegicus
US-10-719-956-187213
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; SEQ ID NO 31760
; LENGTH: 25
; TYPE: DNA
; CRGANISM: MUS musculus
US-10-809-189-31760
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Matches 23; Conserv
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US-10-719-900-892165
Sequence 892165, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR PILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002-11-20
; RUMBER: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 892165
; LENGTH: 25
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1.3%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 1.40+02;
Matches 23; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 92.0%
Matches 23; Conservative
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; ORGANISM: Mus musculus
US-10-719-900-892165
                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
CORGANISM: Mus musculus
US-10-719-900-815718
                    GENERAL INFORMATION:
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US-10-719-956-30749/C
Sequence 30749, Application US/10719956
Sequence 30749, Application US/10719956
Sequence 30749, Application US/20040146910A1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT PILING DATE: 2003-11-20
PRIOR FILING DATE: 2003-11-20
SRIOR FILING DATE: 2002-11-20
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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; Publication No. US20040146910A1
; GENERAL INFORMATION:
    APPLICANT: Yue Mei Zhou
    TITLE OF INVENTION: Methods of Genetic Analysis of Rat
    TITLE OF INVENTION NUMBER: US/10/719,956
    CURRENT APPLICATION NUMBER: US/10/719,956
    CURRENT FILING DATE: 2003-11-20
    PRIOR FILING DATE: 2003-11-20
    PRIOR FILING DATE: 2002 11 20
    NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 187213
: LENGTH: 25
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Pred. No. 1.4e+02;
0; Mismatches 2;
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Best Local Similarity 92.0%; Pred. No. 1.46+02;
Matches 23; Conservative 0; Mismatches 2;
Query Match 1.3%; Score 21.8; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1120 TGCTGGAGCAGCTGAACGAGCAGTT 1144
                                                                                            1270 AGCTCTTTGACTCTGATCCCATCAC 1294
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LENGTH: 25
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           US-10-719-956-374026/c

Sequence 374026, Application US/10719956

Publication No. US2040146910A1

GENERAL INPORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILER REPRENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11.20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sequence 501381, Application US/10719956 |
| Publication No. US20040146910A1 |
| GENERAL INFORMATION: |
| APPLICANT: We Mei Zhou |
| TITLE OF INVENTION: Methods of Genetic Analysis of Rat |
| FILE REFERENCE: 3527.1 |
| CURRENT APPLICATION NUMBER: 60/427,836 |
| FRIOR PFLING DATE: 2003-11-20 |
| PRIOR PFLING DATE: 2002 11 20 |
| WUMBER OF SEQ ID NOS: 699466 |
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 |
| LENGTH: 25
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US-10-719-956-612442/c
; Sequence 612442 Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OP INVENTION: Nuethods of Genetic Analysis of Rat
; TITLE OP INVENTION: NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; RUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 612442
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.3%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 1.46+02;
Matches 23; Conservative 0; Mismatches 2; Indels
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; ORGANISM: Rattus norvegicus
US-10-719-956-374026
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US-10-719-956-501381
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                                                                                   Score 21.8; DB 1; Length 25;
Pred. No. 1.4e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Riyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: 05/9944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/09944326
Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
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CURRENT FILING DATE: 2001-08-30
PRIOR PLILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
NUMBER: OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
LENGTH: 21
                                                                                                                                                                                         1149 TGGGTGTCCCGGCTGGCAAACCTCA 1173
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Patent No. US20020128220A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 CCGAGGCGTGCAAAGACTCCA 1
                                                                                        Query Match 1.3%;
Best Local Similarity 92.0%;
Matches 23; Conservative
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-612442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
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Best Local Similarity 100.
Matches 21; Conservative
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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1.3%; Score 21; DB 1; Lei
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                  Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                         Sequence 7,7 Application US/09944326

Patent No. US2002012820A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2

CURRENT PELLION NUMBER: US/09/944,326

CURRENT FILING DATE: 2001-08-30

PRIOR APPLICATION NUMBER: 60/121,726

PRIOR PELLING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 7

LENGTH: 21
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DS-05-94-326-9/C
Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICANTION NUMBER: US/09/944,326
CURRENT FAPPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 100-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: HUMAN
FEATURE:
CHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-7
; OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-6
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US-09-944-326-7/c
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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Local Similarity 100.0%; Pred. No. 1.2e+02;
tes 21; Conservative 0; Mismatches 0;
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Sequence 5, Application US/09944326
Fatent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Remnie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTON: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: 60/121,726
FRIOR APPLICATION NUMBER: 60/121,726
FRIOR APPLICATION NUMBER: 09/913,325
FRIOR FILING DATE: 1999-02-26
FRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIN Ver. 2.1
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VS-09-944-326-6/C

Sequence 6, Application US/09944326

Patent No. US20020128220A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Remie, Paul S.
APPLICANT: Nalyake, Hideaki
APPLICANT: Nalson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REPRENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 60/12,726
PRIOR APPLICATION NUMBER: 09/913,325

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 6

LENGTH: 21
              ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-4
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ORGANISM: HUMAN
FEATURE:
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ORGANISM: HUMAN
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Best Local
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                    DB 1; Le 1.2e+02;
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                      Sequence 11, Application US/09944326

Sequence 11, Application US/09944326

Sequence 11, Application US/09944326

GENERAL INFORMATION:

APPLICANT: Rennie, Paul S.

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY

FILE REFERENCE: UBC.P-020-2

CURRENT APPLICATION NUMBER: US/09/944,326

CURRENT FILING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 1999-02-26

PRIOR FILING DATE: 1001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 11

LENGTH: 21
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Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT PELLON NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
SRIOR FILING DATE: 2001-08-11
SEQ ID NO 3:
LENGTH: 21
                       Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.5 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1316 CTCCAGGAAGAACCCTAAATT 1336
                                                                                                             1115 CTCCTTGCTGGAGCAGCTGAA 1135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: HUMAN
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ORGANISM: HUMAN
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                                            1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                           Sequence 9. Application US/09944326; Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TRAP-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30; PRIOR PLICATION NUMBER: 60/121,726
FRIOR FILING DATE: 1999-02-26
FRIOR FILING DATE: 1999-02-26
FRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 9
IENGTH: 21
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Fatent No. US20020128220A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Remis, Paul S.

APPLICANT: Miyake, Hideaki

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY

FILE REFERENCE: UBC. P-020-2

CURRENT APPLICATION NUMBER: US/09/944,326

CURRENT APPLICATION NUMBER: 09/913,325

PRIOR PILING DATE: 2001-08-30

PRIOR APPLICATION NUMBER: 09/913,325

PRIOR PILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 14

SEQ ID NO 10

LENGTH: 21
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                         Query Match
Best Local Similarity 100.v.
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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US-09-944-326-8
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Sequence 4, Application US/09967726A

Publication No. US20030158130A1

Publication No. US20030158130A1

Publication No. US20030158130A1

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Miyake, Hideaki

APPLICANT: Nelson, Colleen

APPLICANT: APPLICANT: Tobias

APPLICANT: APPLICANT: Oligonucleotides

APPLICANT: APPLICATION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: US/09/967,726A

TITLE REPERBNCE: US/09-28

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.1

SEQ ID NO 4

BENGTH: 21
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US-09-967-726A-5/C

Sequence 5, Application US/09967726A

Sequence 5, Application Work of US20030158130A1

Sequence 5, Application No. US20030158130A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Missen, Missen
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Sequence 6, Application US/09967726A

Publication No. US20030158130A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           114 GACCAGACGGTCTCAGACAAT 134
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SEQ ID NO 5
LENGTH: 21
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; TYPE: DNA
; ORGANISM: human
US-09-967-726A-5
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ORGANISM: human
                                                      JS-09-967-726A-4/C
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Publication No. US20030158130A1

GENERAL INFORMATION:

APPLICANT: Cleave, Martin

APPLICANT: Rennie, Paul S.

APPLICANT: Nelson, Colleen

APPLICANT: Norman Radiation-Sensitization of Cancer by Antisense TRPM-2

FILE REFRENCE: UBC-P-022

CURRENT APPLICATION NUMBER: US/09/967,726A

CURRENT APPLICATION NUMBER: US/09/967,726A

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.1

SEQ ID NO 3

LENGTH: 21

LENGTH: 21
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PREATE NO. US20020336716A1
GENERAL INFORMATION:
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
FILE REFERENCE: 0794.016A
CURRENT APPLICATION NUMBER: US/09/459,749D
CURRENT FILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 60/111,856
PRIOR PLORE FILING DATE: 1999-12-11
NUMBER OF SEQ ID NOS: 17
SOFTWARE PATENTING DATE: 1998-12-11
LINGHER OF SEQ ID NOS: 17
SEQ ID NO 14
LENGTH: 21
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OTHER INFORMATION: Description of Artificial Sequence:primer bind
; OTHER INFORMATION: synthetic sense primer based on porcine clusterin
US-09-459-7490-14
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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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// TYPE: DNA
// ORGANISM: human
US-09-967-726A-3
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GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Mayake, Hideaki
APPLICANT: Melson, Colleen
APPLICANT: Zellweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: USC. P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
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Sequence 10, Application US/09967726A

Publication No. US20030158130A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Colleen
APPLICANT: Callweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonuclectides
TITLE OF INVENTION: Oligonuclectides
FILE REFERENCE: USC. P-022
CURRENT APPLICATION NUMBER: US/09/967,726A

WUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 21; Conservative
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-8
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ORGANISM: human
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                                                                                                                                              LENGTH: 21
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10828394-1_1-1

**TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

**TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

**TITLE OF INVENTION: Oligonucleotides

**FILE REFERENCE: UBC. P-022

**CURRENT APPLICATION NUMBER: US/09/967,726A

**SOTUMBER OF SEQ ID NOS: 15

**SOTUMBER: PatentIn version 3.1

**SEQ ID NO 6

**LENGTH: 21

TYPE-
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Sequence 8, Application US/09967726A
Publication No. US2000158130A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Olleon
APPLICANT: Olleon
APPLICANT: Olleon
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APPLICANT: Olleon
APPLICANTON: Ollgonucleotides
FILE REFERENCE: UBC.P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
1.3%; Score 21; DB 1; L. Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          515 TGACCGCATCGACTCCCTGCT
                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-967-726A-8/c
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APPLICANT: Willis, Albert J. T.

APPLICANT: Willis, Albert J. T.

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
FILE REFERENCE: 0794.016A

CURRENT APPLICATION UNMBER: US/10/270,871

CURRENT FILING DATE: 1209-12-10

PRIOR APPLICATION NUMBER: US/09/459,749D

PRIOR APPLICATION NUMBER: US/09/459,749D

PRIOR APPLICATION NUMBER: US/09/459,749D

PRIOR FILING DATE: 1999-12-11

NUMBER OF SEQ ID NOS: 17

SEQ ID NO 14

LENGTH: 21

TYPE: DNA

ORGANISM: Artificial Sequence

PEATURE:

PEA
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US-10-080-794-3/C
Sequence 3, Application US/10080794
Publication No. US20030166591A1
GENERAL INFORMATION:
APPLICANT Gleave, Martin
APPLICANT Rennie, Paul S.
APPLICANT Nelson, Colleen
APPLICANT Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: HAPPEN, COLLEEN
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC. P-020-3
CURRENT FILING DATE: 2002-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR PLING DATE: 1999-02-26
PRIOR PLING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
SOFTWARE PERSON NUMBER: 09/944,326
NUMBER OF SEQ ID NOS: 19
SOFTWARE PATENTIN VUMBER: 201-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE PATENTIN VUMBER: 21
SEQ ID NO 3
LENGTH: 21
TUTLE OF NUMBER: 201-08-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: synthetic sense primer based on porcine clusterin US-10-270-871-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:primer_bind
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  274 AAGCCAAGAAGAAGAAGAGG 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16 CCGAGGCGTGCAAAGACTCCA 36
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Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 183
US-10-080-794-4/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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                                                                                                                                                                                                                          Sequence 11. Application US/09967726A

| Sequence 11. Application No. US20030158130A1
| Publication No. US20030158130A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Remnie, Paul S.
| APPLICANT: Miyake, Hideaki
| APPLICANT: Nelson, Colleen
| APPLICANT: Nelson, Colleen
| APPLICANT: OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Oligonucleotides
| TITLE REFERENCE: USC.P-02-8
| TITLE REFERENCE: USC.P-02-8
| CURRENT FILING DATE: 2001-09-28
| NUMBER OF SEQ ID NOS: 15
| SEQ ID NO 11
| LENGTH: 21
| LENGTH: 21
| LENGTH: 21
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APPLICANT: Gleave, Martin; APPLICANT: Remie, Paul S. APPLICANT: Nelson, Colleen; APPLICANT: Nelson, Colleen; APPLICANT: Callweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2; TITLE OF INVENTION: Oligonucleotides; TILE REFERENCE: US.P.O.22; CURRENT APPLICATION NUMBER: US/09/967,726A; CURRENT FILING DATE: 2001-09-28; NUMBER OF SEQ ID NOS: 15; SEQ ID NO: 15; SEQ ID NO: 12. LENGTH: 21.
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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              1115 CTCCTTGCTGGAGCAGCTGAA 1135
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; Sequence 14, Application US/10270871
; Publication No. US20030162702A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: human
                                                                                                                                                                                         RESULT 179
US-09-967-726A-11/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-967-726A-12
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Sequence 6, Application US/10080794

| Publication No. US20030166591A1
| Publication No. US20030166591A1
| Publication No. US20030166591A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Rennie, Paul S.
| APPLICANT: Miyake, Hideaki
| APPLICANT: Molaon, Colleen
| APPLICANT: Monia, Brett P.
| TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
| TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
| TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
| FILE REFERENCE: UBC.P-020-3
| CURRENT APPLICATION NUMBER: US/10/080, 794
| CURRENT FILING DATE: 2001-08-10
| PRIOR FILING DATE: 2001-08-10
| NUMBER OF SEQ ID NOS: 19
| SEQ ID NOS: 19
| SEQ ID NOS: 2
| SERVER: PARCHARE: 2.1
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Sequence 7, Application US/10080794

Publication Wo. US20030165591A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Molson, Colleen
APPLICANT: Molson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nonia, Brett P.
ITILE OF INVENTION: TRRM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
ITILE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
SOFTWARE: Patentin Ver. 2.1
SEQ ID NOS: 19
SEQ ID NOS: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-6
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ORGANISM: HUMAN
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ORGANISM: HUMAN
FEATURE:
                                                                                                                                                                                              RESULT 185
US-10-080-794-6/c
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| Sequence 5, Application US/10080794
| Publication No. US2030166591A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin | APPLICANT: Miyake, Hideaki | APPLICANT: Miyake, Hideaki | APPLICANT: Monla, Brett e. |
| TITLE OF INVENTION: HANDER: Coller | TITLE OF INVENTION: HANDER: US/10/080,794
| TITLE OF INVENTION: HANDER: US/2-02-22 | PRIOR APPLICATION NUMBER: US/2-02-22 | PRIOR APPLICATION NUMBER: 09/913,325 | PRIOR APPLICATION NUMBER: 09/913,325 | PRIOR PPLING DATE: 2001-08-10 | PRIOR PLING DATE: 2001-08-10 | PRIOR DATE: 2001-08-1
                                                                                               APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Monia, Bret P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HANING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 1999-02-26
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 21
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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CRGANISM: HUMAN
FEATURE:
COTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-4
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Sequence 4, Application US/10080794 Publication No. US20030166591A1 GENERAL INFORMATION:
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ORGANISM: HUMAN
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Sequence 10, Application US/10080794

; Sequence 10, Application US/10080794
; Publication No. US2030166591A1
; Publication No. US20303166591A1
; SERENAL INFORMATION:
    APPLICANT: Gleave, Martin
    APPLICANT: Rennie, Paul S.
    APPLICANT: Miyake, Hideaki
    APPLICANT: Nelson, Colleen
    APPLICANT: Nelson, Colleen
    APPLICANT: Monia, Brett P.
    TILLE OF INVENTION: TRPA-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
    TILLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
    FILE REFERENCE: UBC.P-020-3
    CURRENT FILING DATE: 2002-02-22
    PRIOR APPLICATION NUMBER: 09/913,325
    PRIOR FILING DATE: 2001-08-10
    PRIOR FILING DATE: 2001-08-10
    PRIOR FILING DATE: 2001-08-30
    NUMBER OF SEQ ID NOS: 19
    SOFTWARE: Patentin Ver. 2.1
    SEQ ID NO 10
    LENGTH: 21

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US-10-080-794-11/c

Sequence 11, Application US/10080794

Publication No. US2030166591A1

GENERAL INFORMATION:

APPLICANT: Rennie, Paul S.

APPLICANT: Rennie, Paul S.

APPLICANT: Nelson, Colleen;

APPLICANT: Nonia, Brett P.

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS

FILE REFERENCE: USC.P-020-3

CURRENT APPLICATION NUMBER: US/10/080,794
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                           Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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COTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-10
                                                                                                                                                           FEATURE:
COTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-9
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NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 21
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ORGANISM: HUMAN
                                                                                                          TYPE: DNA ORGANISM: HUMAN
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US-10-080-794-10/c
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; Sequence 8, Application US/10080794
; Publication No. US20030166591A1
; GENERAL INFORMATION:
    APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Relson, Colleen
; APPLICANT: Malson, Colleen
; APPLICANT: Molson, Colleen
; APPLICANT: Molson, HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS
; TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS
; TILE REFERENCE: UBC, P-020-3
; CURRENT APPLICATION NUMBER: 00/121,726
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-10
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 19
; SEQ ID NO 8
; LEGOTH NO 8
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Publication No. US20030166591A1
GENERAL INFORMATION:
APPLICANT Gleave, Martin
APPLICANT Rennie, Paul S.
APPLICANT Noiso, Colleen
APPLICANT: Noiso, Colleen
APPLICANT: Noiso, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXX) ETHYL MODIFICATIONS
TITLE OF INVENTION: US. P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
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                                                                                       Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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        ; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-7
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PRIOR APPLICATION WINBER: 60/11,726
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR PILING DATE: 2001-08-10
PRIOR PELING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-30
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US-10-080-794-8/C
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FEATURE:
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Publication No. US20030166591A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Nelson, Colleen

APPLICANT: Nelson, Colleen

APPLICANT: Myake, Hideaki

APPLICANT: Monia, Brett P.

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE

TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS

TITLE OF ILLING DATE: 2002-3

CURRENT APPLICATION NUMBER: 00/20-3

CURRENT APPLICATION NUMBER: 00/121,726

PRIOR APPLICATION NUMBER: 00/913,325

PRIOR PILLING DATE: 2001-08-10

PRIOR FILLING DATE: 2001-08-10

SOPTWARE: PALENTIN VEY. 2.1

SEQ ID NO 12

LENGTH: 21

LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                     ) OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-11
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                    PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR PELLING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 11
LENGTH: 21
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21 AGGCCCCCAACTCCGCCCAGC 1
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2002-02-22
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: HUMAN
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ORGANISM: HUMAN
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Sequence 27, Application US/10383864

Sequence 27, Application US/10383864

Sequence 27, Application US/20040081976A1

GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: SIDRANSKY, DAVIG
TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
FILE REFERENCE: JHU1860-1
CURRENT APPLICATION NUMBER: US/10/383,864
CURRENT FILING DATE: 2003-07-25
PRIOR FILING DATE: 2003-03-07
NUMBER OF SEQ ID NOS: 127
SOFTWARE: Patentin version 3.1
SEQ ID NO 27
LENGTH: 21
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Publication No. US20040081976A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SIDRANSKY, David
TILLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
TILLE REFERENCE: JUL1980-1
CURRENT APPLICATION NUMBER: US/10/383,864
CURRENT APPLICATION NUMBER: US 60/362,577
PRIOR FILING DATE: 2002-03-07
PRIOR FILING DATE: 2002-03-07
NUMBER OF SEQ ID NOS: 127
NUMBER OF SEQ ID NOS: 127
SOFTWARE: PatentIn version 3.1
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE PEPERNCE: RIS-015ENSE MODULATION OF CLUSTERIN EXPRESSION CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 6
LENGTH: 21
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.2e+0
tive 0; Mismatches
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                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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CTHER INFORMATION: PCR Probe US-10-380-124-6
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Best Local Similarity 100.
Matches 21; Conservative
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Best Local Similarity 100.
Matches 21; Conservative
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; TYPE: DNA
; ORGANISM: human
US-10-646-391A-4
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; Beduence 3, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Janean, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
; CURRENT FILING DATE: 2003-08-21
; PRIOR FILING DATE: 2002-08-21
; PRIOR FILING DATE: 2002-12-02
; PRIOR FILING DATE: 2002-12-02
; PRIOR FILING DATE: 2002-12-02
; PRIOR FILING DATE: 2002-03
; PRIOR FILING DATE: 2003-09-03
; PRIOR FILING DATE: 2003-05-03
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US-10-048-3914-3914-47

PUBLICATION NO. US20040082534A1

PUBLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR PILING DATE: 2002-10-02

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2003-05-20

PRIOR PILING DATE: 2003-05-20

PRIOR PILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-03-03

SPRIOR PILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-05-03

SPRIOR APPLICATION NUMBER: US 60/473,387

PRIOR PILING DATE: 2003-05-03

SPRIOR APPLICATION NUMBER: US 60/473,387

PRIOR PILING DATE: 2003-05-03

SPRIOR APPLICATION NUMBER: US 60/473,387
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                                                          FEATURE:
COTHER INFORMATION: PCR primer
US-10-383-864-28
                      ORGANISM: Artificial sequence
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ORGANISM: human
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US-10-646-391A-6/c

i Sequence 6, Application US/10646391A

sequence 6, Application US/10646391A

publication No. US20040082534A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
FILE REFERENCE: UBC.P-035
CURRENT PAPLICATION NUMBER: US 60/405,193
PRIOR PLING DATE: 2003-08-21
PRIOR PLING DATE: 2002-08-21
PRIOR PLING DATE: 2002-08-21
PRIOR PLING DATE: 2002-12-02
PRIOR PLING DATE: 2002-09-03
PRIOR PLING DATE: 2002-09-03
PRIOR FILING DATE: 2003-08-20
PRIOR FILING DATE: 2003-08-30
PRIOR FILING DATE: 2003-08-30
SPRIOR PLING DATE: 2003-08-30
SPRIOR PLING DATE: 2003-08-30
SOFTWARE: Patentin version 3.2
SEQ ID NO 6
LENGTH: 21
TYPE: NANA
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WS-10-646-391A-5/C

Bublication No. US20040082534A1

Publication No. US20040082534A1

Bublication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US 40/405,193

PRIOR FILING DATE: 2003-08-21

PRIOR FILING DATE: 2002-12-02

PRIOR FILING DATE: 2002-12-02

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PATENTIN VERSION 3.2

LENGTH: 21
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
        Length 21;
                                                         0; Indels
1.3%; Score 21; DB 1; Le
100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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                                                                                                                     48 ATGATGAAGACTCTGCTG 68
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ORGANISM: human
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ORGANISM: human
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          US-10-646-391A-8
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Gleave, Marthard

TITLE OF INVENTYON: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR PILING DATE: 2002-12-02

PRIOR PILING DATE: 2002-12-02

PRIOR PELING DATE: 2002-09-03

PRIOR PILING DATE: 2003-05-06

BRIOR PILING DATE: 2003-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-546-314-//C
Sequence 7, Application US/10646391A
Publication No. US20040082534A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE SPERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
FRIOR APPLICATION NUMBER: US 60/405,193
FRIOR FILING DATE: 2002-09-21
FRIOR FILING DATE: 2002-09-03
FRIOR FILING DATE: 2002-09-03
FRIOR FILING DATE: 2002-09-03
FRIOR FILING DATE: 2003-09-03
FRIOR FILING DATE: 2003-05-20
FRIOR FILING DATE: 2003-05-30
FRIOR FILING DATE: 2003-05-30
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; ORGANISM: human
US-10-646-391A-7
; ORGANISM: human
US-10-646-391A-6
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TYPE: DNA ORGANISM: artificial
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US-10-646-391A-20
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US-10-646-391A-12/C

Sequence 12, Application US/10646391A

Publication No. US20040082534A1

Sublication No. US20040082534A1

Sublication No. US20040082534A1

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR PLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-05-09

PRIOR FILING DATE: 2003-05-09

PRIOR FILING DATE: 2003-05-09

PRIOR FILING DATE: 2003-05-09

SOFTWARE: Patentin version 3.2

SEQ ID NO 12

LENGTH: 21

TAPPE: NANA
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| Sequence 11, Application US/10646391A |
| Sequence 11, Application US/10646391A |
| Publication No. US20040082534A1 |
| GENERAL INFORMATION: |
| APPLICANT: Gleave, Martin |
| APPLICANT: Jansen, Burkhard |
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels |
| FILE REFERENCE: UBC.P-035 |
| CURRENT APPLICATION NUMBER: US/10/646,391A |
| FILE REFERENCE: UBC.P-035 |
| PRIOR APPLICATION NUMBER: US 60/405,193 |
| PRIOR PILING DATE: 2002-08-21 |
| PRIOR PILING DATE: 2002-09-03 |
| PRIOR PILING DATE: 2002-09-03 |
| PRIOR APPLICATION NUMBER: US 60/408,152 |
| PRIOR APPLICATION NUMBER: US 60/408,387 |
| PRIOR PILING DATE: 2003-09-03 |
| PRIOR PILING DATE: 2003-03-05-05 |
| PRIOR PILING DATE: 2003-03-05 |
| PRIOR PILING DATE: 2003-05 |
| PRIOR PILING DATE: 2003-05 |
| PRIOR PILING DATE: 2003-05 |
| PRIOR PILING DATE: 2008-05 |
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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; ORGANISM: human
US-10-646-391A-12
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; ORGANISM: human
US-10-646-391A-11
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WS-10-646-391A-21/C

WS-10-646-391A-21/C

Sequence 21, Application US/10646391A

Sequence 21, Application US/10646391A

Sequence 21, Application No. US20040082534A1

Sequence 21, Application No. US20040082534A1

SEQUENCEAUT: Jansen, Burkhard

APPLICANT: Jansen, Burkhard

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FILING DATE: 2003-08-21

FRIOR PELION DATE: 2003-08-21

PRIOR PELION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-12-02

PRIOR PELICATION NUMBER: US 60/408,152

PRIOR PELICATION NUMBER: US 60/408,152

PRIOR PELICATION NUMBER: US 60/408,152

PRIOR PELICATION NUMBER: US 60/403,387

PRIOR PELING DATE: 2003-09-03

PRIOR PELING DATE: 2003-05-09

PRIOR PILING DATE: 2003-05-09

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 21

LENGTH: 21

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GENERAL INFORMATION:

APPLICANT: Glasse, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION NUMBER: US 60/406,391A

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR APPLICATION NUMBER: US 60/419,78

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

SOFTWARE: PAREST PAREST
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Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                       1516 AGGCCCCCAACTCCGCCCAGC 1536
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ORGANISM: artificial
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US-10-646-391A-25/c
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US-10-646-391A-23/C

Sequence 23, Application US/10646391A

Publication No. US20040082534A1

Sequence 23, Application No. US20040082534A1

Publication No. US20040082534A1

APPLICANT: Glaave, Martin

APPLICANT: Jansen, Burkhard

TILBO OF INVENTY LALINO BATE: 2003-08-21

CURRENT FILING DATE: 2003-08-21

PRIOR PLILING DATE: 2002-08-21

PRIOR PLILING DATE: 2002-08-21

PRIOR PLILING DATE: 2002-09-31

PRIOR PLILING DATE: 2002-12-02

PRIOR PLILING DATE: 2003-09-30

PRIOR PLILING DATE: 2003-09-30

PRIOR PLILING DATE: 2003-09-30

PRIOR PLILING DATE: 2003-05-20

PRIOR PLILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 23

LENGTH: 21
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Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

CURRENT APPLICATION UNMBER: US/10/646,391A

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR PRILING DATE: 2002-09-03

PRIOR PRILING DATE: 2002-12-02

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR PILING DATE: 2003-09-03

PRIOR PILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR PILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

SEQ ID NO 22

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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 0; Indels
                                                                                                                      Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-21
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; OTHER INFORMATION: RNA! for human clusterin
US-10-646-391A-22
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Sequence 25, Application US/10646391A

| Sequence 25, Application US/10646391A
| Publication No. US20040082534A1
| General INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Jansen, Burkhard
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| FILE REFERENCE: USC. P. 03.55
| FILE REFERENCE: USC. P. 106. P. 03.55
| FURBENT APPLICATION NUMBER: US 60/405, 193
| PRIOR PILING DATE: 2002-08-21
| PRIOR PILING DATE: 2002-12-02
| PRIOR PILING DATE: 2002-12-02
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2003-05-20
| PRIOR FILING DATE: 2003-05-20
| PRIOR FILING DATE: 2003-05-20
| PRIOR FILING DATE: 2003-05-30
| PRIOR FILING DATE: 2002-09-03
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APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US (10/646,391A

CURRENT APPLICATION NUMBER: US (6/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR PILING DATE: 2002-08-21

PRIOR PILING DATE: 2002-08-21

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-09-03

PRIOR PILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                     DB 1; Le
. 1.2e+02;
                                                                                                                                                                                                                      ) TYPE: DNA;
CRGANISM: artificial;
FEATURE:
CHER INFORMATION: RNA! for human clusterin
US-10-646-391A-23
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; Sequence 36, Application US/10646391A
; Publication No. US20040082534A1
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Best Local Similarity 100.
Matches 21; Conservative
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RESULT 214
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Spublication No. US20040082534A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Glaeve, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT APPLICATION NUMBER: US 60/405,193
FRIOR APPLICATION NUMBER: US 60/408,152
FRIOR PILING DATE: 2003-09-03
FRIOR FILING DATE: 2003-09-20
SPRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SEQ ID NO 37
LENGTH: 21
LENGTH: 21
LENGTH: 21
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US-10-646-391A-38

US-10-646-391A-38

US-10-646-391A

Publication No. US20040082534A1

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR PILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-09-03
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1.2e+02;
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Best Local Similarity 81.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 0;
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                                                                                                                                                    ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-36
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 36
LENGTH: 21
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                                                                            TYPE: DNA
ORGANISM: artificial
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US-10-646-391A-37/c
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Sequence 40, Application US/10646391A

Sequence 40, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: USC.P-035

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR PAPLICATION NUMBER: US 60/319,748
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Pred. No. 1.2e+02;
3; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-38
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.2
SEQ ID NO 38
LENGTH: 21
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Best Local Similarity 85.7%;
Matches 18; Conservative
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Best Local Similarity 100.'
Matches 21, Conservative
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ORGANISM: artificial
FEATURE:
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APPLICANT: Gleave, Maxim
APPLICANT: Gleave, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Gonos, Efstathios
TITLE OF INVENTYON: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-06
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 21
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81.0%; Pred. No. 1.2e+02;
tive 4; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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OTHER INFORMATION: RNA! for human clusterin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 81.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: artificial
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US-10-646-436-2/c
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APPLICANT: Gleave, Martin
TITLE OF INVENTION: DATS:
CURRENT APPLICATION NUMBER: US (0/405,193
FILE REFERENCE: 2003-08-21
CURRENT PILING DATE: 2003-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR PRILING DATE: 2002-09-03
PRIOR PLING DATE: 2002-09-03
PRIOR PLING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
SOFTWARE: PALENTING DATE: 2003-09-10
SOFTWARE: PALENTING DATE: PALENTING DATE: 2003-09-10
SOFTWARE: PALENTING DATE: 2003-09-10
SOFTWARE: PALENTING DATE: PALEN
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: RNA! for human clusterin
US-10-646-391A-40
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US-10-646-391A-41
   ; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: US 60/408,152
; PRIOR FILING DATE: 2002-09-03
; PRIOR FILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 40
; LENGTH: 21
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Best Local Similarity
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US-10-646-436-6/c
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GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Beraldi, Eliana

APPLICANT: Beraldi, Eliana

APPLICANT: Trougakos, Ioannis

APPLICANT: RESTERENCE: USC. P-030

CURRENT APPLICATION NUMBER: US/10/646,436

CURRENT FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SEQ ID NOS: 68

LENGTH: 21

IERNGTH: 21
              GENERAL INCARATION:
CARRELL INCARATION:
CARRELL INCARATION:
APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Stynaeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Brandi, Eliana
APPLICANT: Gonos, Efstathios
APPLICANT: Gonos, Efstathios
FILE REPERENCE: UBC. P-030
CURRENT PILLIGATION NUMBER: US/10/646,436
CURRENT PILLING DATE: 2002-08-21
PRIOR FILLING DATE: 2002-09-03
PRIOR PILLING DATE: 2002-09-03
PRIOR FILLING DATE: 2003-05-20
PRIOR FILLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: RNAi for human clusterin US-10-646-436-3
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US-10-646-436-4
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ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: artificial
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Gonos, Efstathios
APPLICANT: Gros, Efstathios
APPLICANT: Gros, Efstathios
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 6
LENOTH: 21
TURNETH: 21
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-03
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 21
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OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: RNA; for human clusterin US-10-646-436-5
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1 CUAAUUCAAUAAAACUGUCTT 21
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Sequence 5, Application US/10646436 Publication No. US20040096882A1 GENERAL INFORMATION:
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WESULT 224
US-10-646-436-61

Sequence 61, Application US/10646436

Publication No. US20040096882A1

GENERAL INFORMATION:

APPLICANT: Gleave Martin

APPLICANT: Gleave Martin

APPLICANT: Gleave Martin

APPLICANT: Gleave Fargeting

APPLICANT: Gleave Fargeting

APPLICANT: Gleave Fargeting

APPLICANT: Gonos, Effathina

APPLICANT: Gonos, Effathing

FILE OF INVENTION NUMBER: US/10/646,436

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SOFTWARE: PatentIn version 3.2

SEQ ID NO 61

LENGTH: 21
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Elianna
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NAMER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
                                                                                                                                                                                                               Score 21; DB 1; Lo
Pred. No. 1.2e+02;
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85.7%; Pred. No. 1.2e+02;
                                                                                                       FEATURE:
, OTHER INFORMATION: RNA! for human clusterin
US-10-646-436-59
                                                                                                                                                                                                               Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.5 Matches 21; Conservative 0; Mismatches
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PRIOR APPLICATION NUMBER: US 60/405,193
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; Publication No. US20040096882A1
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Best Local Similarity 85.77
Matches 18; Conservative
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                                                       TYPE: DNA ORGANISM: artificial
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SEQ ID NO 59
LENGTH: 21
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Sequence 59, Application US/10646436

Publication No. US20040096882A1

GENERAL INFORMATION:

APPLICANT: Gleave, Markin

APPLICANT: Signaevsky, Maxim

APPLICANT: Beraldi, Eliana

APPLICANT: Beraldi, Eliana

APPLICANT: Gros, Efstathios

TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins

FILE REFERENCE: USC. P-030

CURRENT APPLICATION NUMBER: US/10/646,436

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: US-03-05-05

PRIOR FILING DATE: US-03-05-20

MINMARP OF CEALT NOW NUMBER: US 60/473,387
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APPLICANT: Gleeve, Martin
APPLICANT: Signaevaky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Icanais
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.-0-03
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/403,387
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR PRIOR DATE: 2003-05-03
SPRIOR FILING DATE: 2003-05-03
SOFTWARE: Patentin version 3.2
SEQ ID NOS: 68
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                              Length 21;
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                                                                                 0; Indels
                         Query Match
1.3%; Score 21; DB 1; L. Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0;
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OTHER INFORMATION: RNA! for human clusterin
US-10-646-436-58
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Sequence 58, Application US/10646436
Publication No. US20040096882A1
GENERAL INFORMATION
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 81.04
Matches 17, Conservative
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Gaps

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Length 21; 0; Indels

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APPLICANT: Jackson, John
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-03
FULORENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR PILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 21
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1 Sequence 5, Application US/10828394

2 Publication No. US20040220131A1

3 GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

APPLICANT: Springate, Christopher

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/403,387
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 65
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100.0%; Pred. No. 1.2e+02;
ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: RNAi forhuman clusterin
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Best Local Similarity 100.0
Matches 21; Conservative
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Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                          ORGANISM: artificial
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ORGANISM: human
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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US-10-646-436-64
                                                                                                                                                                                                                                             ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-62
      ; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/408,152
; PRIOR FILING DATE: 2002-09-03
; PRIOR PILING DATE: 2003-05-20
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PATENTIAN VERSION 3.2
; SEQ ID NO 62
; LENGTH: 21
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Sequence 65, Application US/10646436

Publication No. US20040096882A1

GENERAL INFORMATION:
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
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Query Match
Best Local Similarity 100.0
Matches 21; Conservative
     ; TYPE: DNA
; ORGANISM: human
US-10-828-394-7
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; ORGANISM: human
US-10-828-394-8
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ORGANISM: human
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; Bublication No. U320040220131A1
; GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR PILING DATE: 2004-04-19
PRIOR PILING DATE: 2005-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SOFTWARE: Parentin of Cancerous Angiogenic Disorders
SOFTWARE: Patentin version 3.2
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Publication No. US20040220131A1

Publication No. US20040220131A1

GENERAL INFORMATION:
APPLICANT: Jackson, John

APPLICANT: Burt, Helen

APPLICANT: Gleave, Martin

TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

CURRENT APPLICATION NUMBER: US/10/828,394

CURRENT FILING DATE: 2004-04-19

PRIOR APPLICATION NUMBER: US 60/464,159

PRIOR APPLICATION NUMBER: US 60/464,159

SPRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

SEQ ID NO 7

LENGTH: 21
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FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
FRIOR APPLICATION NUMBER: US 60/464,159
FRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                21 ATGATGAAGACTCTGCTGCTG 1
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; ORGANISM: human
US-10-828-394-5
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ORGANISM: human
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US-10-828-394-6/c
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Sequence 8, Application US/10828394
; Sequence 8, Application US/10828394
; Publication No. US20040220131A1
; GENERAL INFORMATION:
    APPLICANT: Jackson, John
    APPLICANT: Springate, Christopher
    APPLICANT: Springate, Christopher
    APPLICANT: Gleave, Martin
    APPLICANT: Gleave, Martin
    APPLICANT: Springate, Christopher
    APPLICANT: Springate, Christopher

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| Sequence 9, Application US/10828394
| Publication No. US20040220131A1
| GENERAL INFORMATION:
| APPLICANT: Jackson, John
| APPLICANT: Burt, Helen
| APPLICANT: Gleave, Martin
| TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
| TILE OF INVENTION: Without for Treatment of Cancerous Angiogenic Disorders
| TILE OF INVENTION: Without Set 10,10/828,394
| CURRENT TILING DATE: 2004-04-19
| PRIOR APPLICATION NUMBER: US 60/464,159
| PRIOR FILING DATE: 2003-04-18
| NUMBER OF SEQ ID NOS: 23
| SOFTWARE: PatentIn version 3.2
| LENGTH: 21
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Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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Pred. No. 1.2e+02;
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100.0%; Pred. No. 1.2e+02;
iive 0; Mismatches 0;
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APPLICANT: Jackson, John
APPLICANT: Burt, Helen
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CRGANISM: human
US-10-828-394-13
                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: human
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US-10-828-394-13/c
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US-10-828-395-4/c
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; Bedlication No. US20040220131A1
; Bedlication No. US20040220131A1
; GeneRal Information No. US20040220131A1
; APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Burt, Helen
; APPLICANT: Gleave, Martin
; TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
; TILE REFERENCE: UBC. P-033
; CURRENT APPLICATION NUMBER: US/10/828,394
; CURRENT APPLICATION NUMBER: US 60/464,159
; FILE REFERENCE: 2003-04-18
; RIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 11
; LENGTH: 21

LENGTH: 21
                                                                                                                               Sequence 10, Application US/10828394
; Sequence 10, Application US/10828394
; Publication No. US20040220131A1
; GENERAL INFORMATION:
APPLICANT: Jackson, John
; APPLICANT: Springate, Christopher
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Mathod for Treatment of Cancerous Angiogenic Disorders
; PILE REFERENCE: UBC.P.033
; CURRENT APPLICATION NUMBER: US/10/828,394
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR PILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 10
; LENGTH: 21
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Publication No. US20040220131A1
GENERAL INFORMATION:
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CRGANISM: human
US-10-828-394-11
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; ORGANISM: human
US-10-828-394-10
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US-10-828-394-12/c
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APPLICANT: Burr, Helem:
APPLICANT: Springere, Christopher
APPLICANT: Glave, Martin
APPLICANT: 2004-04-19
APPLICANT: 2004-04-19
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Sequence 7, Application US/10828395
; Sequence 7, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
; APPLICANT: Burt, Helen
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TILLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; TILE REFERENCE: UBC.P-032
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR PILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; PRIOR PLING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7;
; LENGTH: 21
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Sequence 8, Application US/10828395

Publication No. US20040224914A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

TITLE OF INVENTION: Martin

TITLE OF INVENTION: Mathematical Springary APPLICATION NUMBER: US 60/464,159

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: Patentin version 3.2

LENGTH: 21
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100.0%; Pred. No. ...
0; Mismatches
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Best Local Similarity 100.(
Matches 21; Conservative
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Best Local Similarity 100.0
Matches 21; Conservative
  ; SEQ ID NO 6
; LENGTH: 21
; TYPE: DNA
; ORGANISM: human
US-10-828-395-6
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ORGANISM: human
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ORGANISM: human
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Publication No. US20040224914A1
GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Burt, Helen
APPLICANT: Martin Gleave, Martin Gor Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-19
PRIOR PLING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOPTWARE: PatentIn version 3.2
SEQ ID NO 5.
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Publication No. US2004024914A1

GENERAL INFORMATION:

APPLICANT: Burt, Helen

APPLICANT: Springate, Christopher

TITLE OF INVENTION: Method for Treatment of Anglogenic Disorders

CURRENT APPLICATION NUMBER: US/10/828,395

CURRENT PILING DATE: 2003-04-19

PRIOR PELICATION NUMBER: US 60/464,159

PRIOR PELICATION UNMBER: US 60/464,160

PRIOR APPLICATION UNMBER: US 60/464,160

PRIOR SEQ ID NOS: 23

OUTBER OF SEQ ID NOS: 23
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PRIOR FILING DATE: 2003-04-18
PRIOR PEDICACHON NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 4
LENGTH: 21
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                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: human
US-10-828-395-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-828-395-5/c
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US-10-828-395-6/c
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DB 1; Length 21; 1.2e+02;

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Sequence 11, Application US/10828395
; Sequence 11, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
ITILE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-18
PRIOR PILING DATE: 2003-04-18
PRIOR PILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 11
LENGTH: 21
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GENERAL INCOMENTATION:

APPLICANT: Burt, Helen

APPLICANT: Bringare, Christopher

APPLICANT: Gleave, Martin

TILLE OF INVENTION: Method for Treatment of Angiogenic Disorders

FILE REFERENCE: USC.P-032

CURRENT PILLING DATE: 2004-04-19

PRIOR APPLICATION NUMBER: US 60/464,159

PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

LENGTH: 21

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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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916 ACAACTCCACGGGCTGCCTGC 936
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                                                                                      Gaps
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i Sequence 10, Application US/10828395

i Publication No. US20040224914A1

GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10
LENGTH: 21
                                                                                                                                                                                                                                                                                                      Sequence 9, Application US/10828395
; Sequence 9, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
; APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TILLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; FILE REFERENCE: USC. P-032
; CURRENT APPLICATION: Method for 108 (0464,159
; FRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: US 60/464,160
; PRIOR FILING DATE: 2003-04-18
; SOFTWARE: PATENTING DATE: 2003-04-18
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
                              Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                           515 TGACCGCATCGACTCCCTGCT 535
                                                                                                                                                                            21 TGACCGCATCGACTCCCTGCT 1
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ORGANISM: human
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US-10-828-395-9
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US-10-828-395-9/c
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1245 TCCGGTGTCACTGAGGTGGTCGTGA 1269
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Best Local Similarity 88.0*
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Best Local Similarity 88.04
Matches 22, Conservative
                                                                                                                                                   ; ORGANISM: Mus musculus
US-10-719-900-56803
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CORGANISM: Mus musculus
US-10-719-900-452919
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US-10-719-900-815717
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                                                                                                                                   TYPE: DNA
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                                                                                                     APPLICANT: Jackson, John
APPLICANT: Butt, Helen
APPLICANT: Butt, Helen
APPLICANT: Butt, Helen
APPLICANT: Bringate, Christopher
APPLICANT: Gleave, Martin
FILE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR PLILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR PLILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
SPRIOR FILING DATE: 2003-04-18
SOFTWARE: PATENTIAL DATE: 2003-04-18
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| Publication No. US20050026164A1
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Xue Mei Zhou
| TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
| FILE REFERENCE: 3528.1
| CURRENT PELLING DATE: 2003-11-20
| PRIOR PAPLICATION NUMBER: 60/427,808
| PRIOR PLING DATE: 2002 11 20
| NUMBER OF SEQ ID NOS: 982914
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
| SEQ ID NO 695781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 20.8; DB 1; Length 25;
Pred. No. 1.8e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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Sequence 56803.
Publication No. US20050026164A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse;
FILE REFERENCE: 3528.1
CURRENT PRILING DATE: 2003-11-20
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                                      Sequence 13, Application US/10828395; Publication No. US20040224914A1; GENERAL INFORMATION:
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Best Local Similarity 91.7.
Best Local 25, Conservative
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; ORGANISM: Mus musculus
US-10-719-900-695781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: human
US-10-828-395-13
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US-10-719-900-56803
RESULT 247
US-10-828-395-13/c
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; Sequence 815717, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Kue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REPRENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT PILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 815717
                                                                                                                                                                                                                                                                Query Match 1.2%; Score 20.2; DB 1; Length 25; Best Local Similarity 88.0%; Pred. No. 2e+02; Matches 22; Conservative 0; Mismatches 3; Indels
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88.0%; Pred. No. 2e+02;
tive 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATE: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT APPLICATION NUMBER: US/427,808
PRIOR APPLICATION NUMBER: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 452919
LENGTH: 25
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56803
LENGTH: 25
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Publication No. US200S0026164A1
GENERAL INFORMATION:
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 21151
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 30750/50/50

Sequence 30750, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

TITLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REPERENCE: 3527.1

FILE REPERENCE: 3527.1

CURRENT APPLICATION UNMER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

FRIOR FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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Pred. No. 2e+02;
0; Mismatches 3; Indels
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FILE REPERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PILING DATE: 2001-11 20
PRIOR PILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 70566
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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US-10-719-956-70566/C
'Sequence 70566, Application US/10719956
'Publication No. US20040146910A1
'GENERAL INFORMATION'
                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 88.0%;
Matches 22; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
CORGANISM: Rattus norvegicus
US-10-719-956-70566
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nes 22; Conservative
                                                                                                                                                                                                                                                                           ORGANISM: Probe Sequence US-10-956-157-271151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-719-956-30750/c
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Matches
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                                                                                     RESULT 252
US-10-719-900-892166
i Sequence 892166
sequence 892166. Application US/10719900
i Publication No. US20050026164A1
i GENERAL INFORMATION:
i APPLICANT: Xue Mei Zhou
i TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
i TITLE OF INVENTION: NUMBER: US/10/719,900
i CURRENT APPLICATION NUMBER: US/10/719,900
i PRIOR FILING DATE: 2003-11-20
i PRIOR APPLICATION NUMBER: 60/427,808
i PRIOR FILING DATE: 2002-11-20
i NUMBER OF SEQ ID NOS: 982914
i SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
i LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31758, Application US/10809189
Publication No. US20050048531A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT FILING DATE: 2004-03-25
PRIOR PELICATION NUMBER: US/09/396,196
PRIOR PELICATION NUMBER: 60/100,678
PRIOR PELICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FREESED for Windows Version 4.0
LENGTH: 25
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88.0%; Pred. No. 2e+02;
tive 0; Mismatches 3;
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TCCCGTGTCACTCAGGTGGTGGTGA 25
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Sequence 271151, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-892166
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ORGANISM: Mus musculus
US-10-809-189-31758
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Best Local Similarity
Matches 22; Conserv
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US-10-809-189-31758
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Best Local Similarity
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1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                        APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 35.71
FILE REFERENCE: 35.71
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PILING DATE: 2001 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 355802
LENGTH: 25
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SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 374027
LENGTH: 25
                      3; Indels
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; Publication No. US20040146910A1
; Publication No. US20040146910A1
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR PILING DATE: 2002 11 20
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88.0%; Pred. No. 2e+02;
tive 0; Mismatches
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llarity 88.0%; Pred. No. 2e+0
Conservative 0; Mismatches
                                                               951 TGTGACAAGTGCCGGGAGATCTTGT 975
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                                                                                                                                                                                                                ; Sequence 355802, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 374027, Application US/10719956; Publication No. US20040146910A1; GENERAL INFORMATION:
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; ORGANISM: Rattus norvegicus
US-10-719-956-355802
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; ORGANISM: Rattus norvegicus
US-10-719-956-374027
  Best Local Similarity 88.0
Matches 22; Conservative
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Matches 22; Conserv
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US-10-719-956-355802/c
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US-10-719-956-374027/c
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US-10-719-956-501380
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; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: KUE Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REPRENCE: 3527.1
; CURRENT FILING DATE: 2003-11-20
; PRIOR PILING DATE: 2003-11-20
; RIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                   2; DB 1; Length 25;
2e+02;
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CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 00/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 501380
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILLE REPERENCE: 3527.1

FILLE REPERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11.20

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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Pred. No. 2e
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CRGANISM: Rattus norvegicus
US-10-719-956-501380
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CRGANISM: Rattus norvegicus
US-10-719-956-604881
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Matches 22; Conservative
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Matches 22; Conserv
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US-10-719-956-517912
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Sequence 17, Application US/10380124

Sequence 17, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Blie Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Sugan M. Freier

TITLE OF INVANTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERBNCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 17

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-380-124-16/c

| Sequence 16, Application US/10380124
| Sequence 16, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Brist Pharmaceuticals, Inc.
| APPLICANT: Brist P. Monia
| APPLICANT: Susan M. Freier
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFERENCE: RTG-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NO 16
| LINGTH: 20
1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.2%; Score 20; DB 1; Le. Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-16
                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-15
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.v
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US-10-380-124-17/c
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| Sequence 14, Application US/10380124
| Publication No. US20040053874A1
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Brett P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
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US-10-719-956-612441/c
i Sequence 612441, Application US/10719956
j Publication No. US20040146910A1
j GENBRAL INFORMATION:
APPLICANT: Xue Mei Zhou
j TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
j CURRENT FILING DATE: 2003-11-20
j PRIOR FILING DATE: 2002 11 20
j PRIOR FILING DATE: 2002 11 20
j RUMBER OF SEQ ID NOS: 699466
j SOFFWARE: Microarray Probe Sequence Listing Generator V 1.1
i LENGTH: 25
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1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.38+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                             Indels
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, OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-14
                                                                                                 0; Mismatches
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 14
LENGTH: 20
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                                                                                                                                            778 TCCAGCCCTTCCTTGAGATGATACA 802
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3-10-380-124-15/c
; Sequence 15, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INPORMATION:
GENERAL INPORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
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; ORGANISM: Rattus norvegicus
US-10-719-956-612441
                                                                                                    22; Conservative
                                                                                                      Matches
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Length 20; Indels

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Publication No. US20040053874A1 GENERAL INFORMATION:
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US-10-380-124-22/c
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; Bublication No. US20040053874A1
; GENERAL INFORMATION:
   APPLICANT: Isls Pharmaceuticals, Inc.
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; TITLE OF INVENTION: ANTIGENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 19
                                                                                                                                                                                                                                                 US-10-380-124-18/C

Sequence 18, Application US/10380124

Sequence 18, Application US/10380124

Sequence 18, Application US/10380124

GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Susan M. Fract P. Monia
APPLICANT: Susan M. Fract F.
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREENCE: RTS-0156
CURRENT APPLICAND NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90
SEQ ID NO 18
LENGTH: 20
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                          Length 20;
                        Query Match 1.2%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-19
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US-10-380-124-20/c
; Sequence 20, Application US/10380124
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                                                                                                                 77 GCTGCTGCTGACCTGGGAGA 96
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ORGANISM: Artificial Sequence
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US-10-380-124-19/c
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Breet P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: ANTISENSE: US/10/380,124
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 21
LENGTH: 20
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| Publication No. US20040053874A1
| GENERAL INPORMATION:
| APPLICANT: Isle Pharmaceuticals, Inc.
| APPLICANT: Breat P. Monia
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| NUMBER OF SEQ ID NOS: 90
| SEQ ID NO 22
| LENGTH: 20
| TYPE: DNA
APPLICANT: Isia Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1; Lo
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    149 GTCCAATCAGGGAAGTAAGT 168
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Matches 20; Conserva
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20 CCCTAAATGAGACCAGGGAA 1
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ORGANISM: Artificial Sequence
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US-10-380-124-26/c
                                               US-10-380-124-25/c
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US-10-380-124-27/c
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| Sequence 24, Application US/10380124
| Publication No US20040053874A1
| Publication No US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Erett P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRENCE: RIS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT PILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                 Sequence 23, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaccuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTG--0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
SEQ ID NO 23
LENGTH: 20
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                                                                                                          Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                           ) OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-22
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                                                                                                                                                                                           201 GGGGTGAACAGATAAAGAC 220
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                                                                                                                                                                                                                       20 GGGGTGAAACAGATAAAGAC 1
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ORGANISM: Artificial Sequence
ORGANISM: Artificial Sequence
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Matches 20; Conserva
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; Sequence 26, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
APPLICANT: Estet P. Monia
; APPLICANT: Susan M. Freis
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFRENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; UUMBER OF SEQ ID NOS: 90
; SEQ ID NO 26
; LENGTH: 20
                                                                              APPLICANT: ISIS PHARMACCULICAIS, INC.
APPLICANT: BARET P. Monia
APPLICANT: BREAT P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLICATION DATE: 2003-03-10
SEQ ID NO 25
LENGTH: 20
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PUblication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: STEPPER PROBLEM ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRESENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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US-10-380-124-26
Sequence 25, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      298 CCCTAAATGAGACCAGGGAA 317
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US-10-300

US-10-300-124-31/C

US-10-300-124-31/C

SQUENCE 31, Application US/10380124

; Publication No. US20040053874A1

; GENERAL INFORMATION:

; APPLICANT: Brief Pharmaceuticals, Inc.

; APPLICANT: Brief P. Monia

; APPLICANT: Brief P. Monia

; APPLICANT: Brief P. Monia

; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

; FILE REFERENCE: RTS-0156

; CURRENT FILING DATE: 2003-03-10

; NUMBER OF SEQ ID NOS: 90

; SEQ ID NO 31

; LENGTH: 20
                                                                                                                                                                                                                                                                                                                              APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILE OF INVENTION ANTIBENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 30
LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                           Sequence 30, Application US/10380124; Publication No. US20040053874A1; GENERAL INFORMATION:
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364 TGATGGCCCTCTGGGAAGAG 383
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Sequence 29, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Bais Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 29
LEMOTH: 20
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| Sequence 28, Application US/10380124
| Sequence 28, Application US/20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isls Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPREENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-29
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-28
                                                                                                                                                                         , OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-27
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 27
LENGTH: 20
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US-10-380-124-35/c

Sequence 35, Application US/10380124

Publication No. US20040053874A1

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFRENCE: RTS-0156

CURRENT APPLICANTON NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

SEQ ID NO 35

LENGTH: 20
                      Query Match
1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                        455 TGGCCCCCAGCTTGAGGAGT 474
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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Sequence 34, Application US/10380124

Publication No. US2040053874A1

SEQUENCE No. US2040053874A1

SENDICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TILE OF INVENTION: ANTISENSE MODILATION OF CLUSTERIN EXPRESSION

CURRENT APPLICANTON: UNMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

SEQ ID NO 34

LENGTH: 20
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isla Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: WIS-0156
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-32
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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LENGIH: 20
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Sequence 36, Application US/10380124

Publication No. US20040053874A1

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

ITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

LENGTH: 20

LENGTH: 20
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ch 1.2%; Score 20; DB 1; Length 20;
1 Similarity 100.0%; Pred. No. 1.3e+02;
20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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US-10-380-124-37/C
; Sequence 37, Application US/10380124
; Publication No. US20040053874A1
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FEATURE:
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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                APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Breter
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERROR: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
SEQ ID NO 37
LENGTH: 20
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CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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US-10-380-124-37
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Publication No. US20040053874A1
GENERAL INPORMATION:
APPLICANT: 18is Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
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                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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GENERAL INFORMATION
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US-10-380-124-38/c
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LENGTH: 20
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                                                                                                                                                                                                                                                                                      Sequence 40, Application US/10380124;
Sequence 40, Application US/10380124;
Publication No. USZ0040053874A1;
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Busan M. Freier
ITILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124;
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 40
LENGTH: 20
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Sequence 41, Application No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Islas Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90
SEQ ID NO 41
LENGTH: 20
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                                                                Query Match
1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
ive 0; Mismatches 0;
; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-39
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                                                                                                                                                          551 GCAGACGCACATGCTGGATG 570
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-44
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SEQ ID NO 44
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.C
Matches 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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US-10-380-124-45/c
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           RESULT 291
US-10-380-124-42/c

Sequence 42, Application US/10380124

Sequence 42, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Base Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 42

LENGTH: 20
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; APPLICANT: Is is Paramaceuticals, Inc.; APPLICANT: Brett P. Monaraceuticals, Inc.; APPLICANT: Susan M. Freier; TITLE OF INTENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION; FILE REFERENCE: RTS-0156; CURRENT APPLICATION NUMBER: US/10/380,124; CURRENT FILING DATE: 2003-03-10; NUMBER OF SEQ ID NOS: 90; SEQ ID NO 43; LENGTH: 20
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Sequence 44, Application US/10380124
Publication No. US20040053874A1
Publication No. US2004005387AA1
Publication No. US2004005387AA1
APPLICANT: Is Parmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
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ORGANISM: Artificial Sequence
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Matches 20; Conserva
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                                                    Gaps
                                                                                                                                                                                                                                                    Sequence 45, Application US/10380124
; Sequence 45, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Isis Pharmaceuticals, Inc.
    APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT PILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 45
LENGTH: 20
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Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isia Pharmaceuticals, Inc.
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Bush M. Freier
TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT PILING DATE: 2003-03-10
CURRENT FILING DATE: 2003-03-10
SEQ ID NOS: 90
SEQ ID NO 46
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0; Indels
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Sequence 50, Application US/10380124

Sequence 50, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERBNCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 50

LENGTH: 20
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; Sequence 51, Application US/10380124
; Publication NO. US20040053874A1
; Publication NO. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 51
; LENGTH: 20
; LENGTH: 20
; ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                           Length 20;
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                                                                                                                                                                                                                                                                                                                                          0; Indels
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 49
LENGTH: 20
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nes 20; Conservative
                                                                                                                                                 TYPE: DNA
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                                                                                                           Sequence 47, Application US/10380124

| Sequence 47, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| TILLE OF INVENTION: APPLICANT:
| TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPERENCE: RTS-0156
| CURRENT PILING DATE: 2003-03-10
| NUMBER OF SEQ ID NOS: 90
| SEQ ID NO 47
| LENGTH: 20
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US-10-380-124-49/C
$; Sequence 49, Application US/10380124
$; Publication No. US20040053874A1
$; GENERAL INFORMATION:
$; APPLICANT: 1818 Pharmaceuticals, Inc.
$; APPLICANT: Susan M. Freier
$; APPLICANT: Susan M. Freier
$; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTIENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0; Indels
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Publication No. US20040053874A1
GENERAL INFORMATION:
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20 AGGCCTCACTTCTTTCC 1
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Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                 RESULT 296
US-10-380-124-47/c
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LENGTH: 20
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APPLICANT: Isis Pharmaceuticals, Inc
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ORGANISM: Artificial Sequence
FEATURE:
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                             Gaps
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; Sequence 53, Application US/2034053874A1
; Publication No. US20040653874A1
; GENERAL INFORMATION:
; APPLICANT: 1818 Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Preier
; TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 53
LENGTH: 20
                                                                                                                                                                                  RESULT 301
US-10-380-124-52/c
; Sequence 52, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFREENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NOS: 92
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.38+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                               Indels
         Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0;
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Sequence 54, Application US/10380124; Publication No. US20040053874Al
GENERAL INFORMATION:
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                                                                           820 TGGACATCCACTTCCACAGC 839
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ORGANISM: Artificial Sequence
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US-10-380-124-53/c
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US-10-380-124-56/c
Sequence 56, Application US/10380124
Sequence 56, Application US/0040053874A1
GENERAL INFORMATION:
APPLICANT: Bats Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 56
LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION. ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 54
LENGTH: 20
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                                                                                                                                                                                                                                                                               Length 20;
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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RESULT 309
US-10-380-124-60/c
        US-10-380-124-59/c
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; Sequence 57, Application No. US20040053874A1
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Bis Paramaceuticals, Inc.
    APPLICANT: Brett P. Monitor Brett P. Moni
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| Sequence 58, Application US/10380124
| Sequence 58, Application US/10380124
| Sequence 58, Application Vo. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Iais Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freder
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRESENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| NUMBER OF SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
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                                                                                                                  Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.38+02; Matches 20; Conservative 0; Mismatches 0; Indels
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, OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-56
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-57
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                                                                                                                                                                                                                                                                          906 GAGATCCGCCACACTCCAC 925
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Sequence 59, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isles Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
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Publication No. US20040053874A1
Publication No. US2004005387AA1
REBREAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
ITILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NOS: 90
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APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVERTION: ANTIBENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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Pred. No. 1.3e+02;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-59
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Sequence 64, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLICATION NUMBER: US/10/380,124
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 64
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Bais Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE WOULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TILLE OF INVENTION: APPLICANT: SUSAN
FREISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                               US-10-380-124-64/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 62, Application US/10380124
; Sequence 62, Application US/20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isls Pharmaceuticals, Inc.
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NOS: 90
; LENGTH: 20
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PUblication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Bets Present P. Monia
APPLICANT: Busan M. Freser
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FIRE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.38+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                       FEATURE:
COTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-62
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                                                                                                                                                                                                                                                                            1083 AAGTCCTACCAGTGGAAGAT 1102
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                       TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-380-124-62/c
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US-10-380-124-63/c
LENGTH: 20
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20, Conservative
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Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
APPLICANT: Susan M. Freier
ITILE OF INVENTION: ANTIENSE MODULATION OF CLUSTERIN EXPRESSION
ITILE PEPRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 67
LENGTH: 20
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; Sequence 68, Application US/20040053874A1
; CENERAL INFORMATION:
    APPLICANT: 1818 Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
    APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION: ANTISENSE WOLLATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 68
; LENGTH: 20
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-67
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                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-66
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 66
LENGTH: 20
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                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0%
Matches 20; Conservative
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i Sequence 69, Application US/10380124
i Sequence 69, Application US/10380124
i Publication No. US20040053874A1
i GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
ITLE REPERBNCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
i CURRENT FILING DATE: 2003-03-10
i NUMBER OF SEQ ID NOS: 90
SEQ ID NO 69
LENGTH: 20
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US-10-380-124-70/C
; Sequence 70, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: 1818 Pharmaceuticals, Inc.
    APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERBNCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 70
; LENGTH: 20
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  0; Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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  0; Mismatches
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; Sequence 71, Application US/10380124
; Sequence 71, No. US20040053874A1
; GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
                                               1216 CTTCCCACACTTCTGACTCG 1235
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                                                                                             20 CTTCCCACACTTCTGACTCG 1
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Matches 20; Conservative
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Sequence 75, Application US/10380124
; Sequence 75, Application US/20040053374A1
; Publication No. US20040053374A1
; GENERAL INFORMATION:
    APPLICANT: Isis Pharmaceuticals, Inc.
    APPLICANT: Susan M. Freier
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILLE REFERENCE: RTS-015
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NO 75
; LENGTH: 20
                                                                                                                                                                                                                                                                 Sequence 74, Application US/10380124
; Sequence 74, Application US/20040053874A1
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: 1818 Pharmaceuticals, Inc.
    APPLICANT: Busan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
    TITLE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 74
; LENGTH: 20
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                                  1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                         Query Match
Best Local Similarity 100.
Matches 20; Conservative
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US-10-380-124-78/c
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US-10-380-124-74/c
US-10-380-124-73
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; Sequence 73, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATON:
   APPLICANT: Isls Pharmaceuticals, Inc.
   APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RF2-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; LENGTH: 20
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 72, Application US/10380124

Publication No. US2004053874A1

GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE WS/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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      APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NO 71
LENGTH: 20
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-71
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ORGANISM: Artificial Sequence
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US-10-380-124-72/c
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial
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| Sequence 80, Application US/10380124
| Sequence 80, Application US/10380124
| Sequence 80, Application No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFREENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| LENGTH: 20
                                                        APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 78
LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
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Fublication No. US200501529081

GENERAL INFORMATION:

APPLICANT: Liew, Choong-Chin

TILE OF INVENTION: LIVER CANCER BIOWARKERS

FILE REFERENCE: 4231/2072

CURRENT APPLICATION NUMBER: US/10/980,850

CURRENT FILING DATE: 2004-11-03

PRIOR FILING DATE: 2003-11-03
                                                                                                                                                                                                                                                                                                                                                  , OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-78
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US-10-380-124-80
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Sequence 78, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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SOFTWARE: Patentin version 3.1
SEQ ID NO 17
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Matches 20; Conservative
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                                                Score 20; DB 1; Lengtn 20;
Pred. No. 1.38+02;
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                    US-10-980-950-18/C

Sequence 18, Application US/10980850

Publication No. US20050152908A1

GENERAL INFORMATION:
TITLE OF INVENTION: LIVER CANCER BIOMARKERS

TITLE REFERENCE: 4231/2072

CURRENT APPLICATION NUMBER: US/10/980,850

CURRENT FILING DATE: 2004-11-03

PRIOR APPLICATION NUMBER: US 60/516,853

PRIOR PILING DATE: 2003-11-03

NUMBER OF SEQ ID NOS: 46

SOFTWARE: PALENTIN VERSION 3.1

SEQ ID NO 18

LENGTH:: 20
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; APPLICANT: Liew, Choong-Chin
TITLE OF INVENTION: LIVER CANCER BIOMARKERS; PILE REFERENCE: 4231/2072; CURRENT APPLICATION NUMBER: US 60/516,850; PRIOR FILING DATE: 2004-11-03; PRIOR FILING DATE: 2003-11-03; NUMBER OF SEQ ID NOS: 46; SOFTWARE: Patentin version 3.1; SEQ ID NO 33; LENGTH: 20
                                                                   Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.: Matches 20; Conservative 0; Mismatches
; OTHER INFORMATION: Forward PRimer for CLU US-10-980-850-17
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US-10-980-850-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ), OTHER INFORMATION: Reverse PRimer for CLU US-10-980-850-18
                                                                                                                                                                762 AACTICCACGCCAIGTICCA 781
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ORGANISM: Artificial
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271 AAGAAGCCAAGAAGAAAG 291
            Query Match
Best Local Similarity 75.0
Matches 15; Conservative
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| Sequence 28, Application US/10646391A
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| FILE REFERENCE: UBC.P-035
| CURRENT PILING DATE: 2003-08-21
| PRIOR PLILING DATE: 2002-08-21
| PRIOR PLILING DATE: 2002-08-21
| PRIOR PLILING DATE: 2002-12-02
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2003-08-20
| PRIOR PLILING DATE: 2003-08-20
| PRIOR PLILING DATE: 2003-08-20
| NUMBER OF SEQ ID NOS: 43
| SEQ ID NOS: 43
| SEQ ID NO 28
| LENGTH: 21
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US-10-646-436-9

Sequence 9, Application US/10646436

Publication No. US20040096882A1

GENERAL INFORMATION:
APPLICANT: Jansen, Burkhard
APPLICANT: Glaeve, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Grous, Efstathios
ITILE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
ITILE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
PRIOR REPERBERGE: UBC.P-030

CURRENT APPLICATION NUMBER: US 60/466,436

CURRENT FILING DATE: 2003-08-21

PRIOR PELING DATE: 2002-09-03

PRIOR PILING DATE: 2002-09-03

PRIOR PILING DATE: 2003-05-03

PRIOR FILING DATE: 2003-05-03

PRIOR FILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-05-03

PRIOR FILING DATE: 2003-05-03

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PRIOR FILING DATE: 2003-05-03

PRIOR PILING DATE: 2003-
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Best Local Similarity 75.0%; Pred. No. 1.4e+02;
Matches 15; Conservative 5; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: RNA1 for human clusterin US-10-646-391A-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              977 TGTGGACTGTTCCACCAACA 996
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                                              1 TGTGGACTGTTCCACCAACA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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US-10-70-871-13

US-10-270-871-13

Sequence 13, Application US/10270871

Sequence 13, Application US/10270871

Publication No. US20030162702A1

GENERAL INFORMATION:

TILLE OF INVENTION: Compositions and Methods For Altering Cell Migration

TILLE OF INVENTION: US-10-15

CURRENT APPLICATION NUMBER: US/09/459,749D

PRIOR FILING DATE: 1999-12-01

PRIOR FILING DATE: 1999-12-01

PRIOR FILING DATE: 1999-12-01

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 13

LENGTH: 21

TANDER OF SET ID NOS: 17

SEQ ID NO 13

LENGTH: 21

TANDER OF SET ID NOS: 17

SEQ ID NO 13

LENGTH: 21

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SEQ ID NO 13
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Sequence 13, Application US/09459749D

Sequence 13, Application US/09459749D

Sequence 13, Application US/09459749D

GENERAL INFORMATION:

APPLICANT: Millis, Albert J. T.

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration

CURRENT APPLICATION NUMBER: US/09/459,749D

CURRENT PILING DATE: 1999-12-10

PRIOR FILING DATE: 1998-12-11

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 13

LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence:primer bind; OTHER INFORMATION: synthetic antisense primer based on murine clusterin US-09-459-749D-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.2%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 1; Indels
1.2%; Score 20; DB 1; Length 21; 75.0%; Pred. No. 1.40+02; tive 5; Mismatches 0; Indels
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                                                                                                                         48 ATGATGAAGACTCTGCTGCT 67
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Gaps

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| FUDICALION NO. USZUGATON NO. BURKHARM APPLICANT: JANSEN, BURKHARM APPLICANT: SIGNAVE, MAXIM APPLICANT: SIGNAVE, WARTIN APPLICANT: SIGNAVE, NATIM APPLICANT: Trougakoe, Ioannis APPLICANT: Trougakoe, Ioannis ITLE OF INVENTION: RNAI PRODES TARGETICAN CONTREM US. P. 030

TITLE OF INVENTION: RNAI PRODES TARGETING CANCER-RELACHION NUMBER: US (0/46,436

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-21

PRIOR FILING DATE: 2002-09-21

PRIOR PELING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 67

LENGTH: 19
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougako, Ioannis
APPLICANT: Trougako, Ioannis
APPLICANT: Trougako, Ioannis
APPLICANT: Gonos, Efetathios
TILE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P-03
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-05-03
PRIOR PILING DATE: 2003-05-03
PRIOR PILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-03
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1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 73.7%; Pred. No. 1.4e+02;
Matches 14; Conservative 5; Mismatches 0; Indels
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0; Mismatches
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                                                                                                                                                                                                                            US-10-646-436-67; Sequence 67, Application US/10646436; Publication No. US20040096882A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 68, Application US/10646436
Publication No. US20040096882A1
GENERAL INFORMATION:
                                                      48 ATGATGAAGACTCTGCTGC 66
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19; Conservative
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LENGTH: 19
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Matches
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                                                                                                                                           Sequence 42, Application US/10646391A

| Bublication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Janeen, Burkhard
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| FILE REFERENCE: UBC.P-035
| FILE REFERENCE: UBC.P-035
| FILE REFERENCE: UBC.P-035
| FRIOR PLING DATE: 2003-08-21
| PRIOR FILING DATE: 2003-08-21
| PRIOR FILING DATE: 2002-08-21
| PRIOR FILING DATE: 2002-08-21
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2003-09-03
| PRIOR FILING DATE: 2003-09-03
| PRIOR FILING DATE: 2003-05-05-05
| NUMBER OF SEQ ID NOS: 43
| SOFTWARE: Patentin version 3.2
| LENGTH: 19
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US-10-646-391A-43/C

Sequence 43, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TILE OF INVENTION: Teatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FILING DATE: 2003-08-21

FRIOR PELICATION NUMBER: US 60/406,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-12-20

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-09-00

PRIOR FILING DATE: 2003-09-00

PRIOR FILING DATE: 2003-05-00

PRIOR FILING DATE: 2003-05-00

NUMBER OF SEQ ID NOS: 43

SEQ ID NO 43

LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FEATURE:
; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-42
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US-10-646-391A-43
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ORGANISM: artificial
                                                                                                            RESULT 334
US-10-646-391A-42
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Sequence 18, Application US/10828394

| Sequence 18, Application US/10828394
| Sequence 18, December 18, Application No. US20040220131A1
| GENERAL INFORMATION:
| APPLICANT: Burt, Helm
| APPLICANT: Burt, Helm
| APPLICANT: Burt, Helm
| APPLICANT: Burt, Helm
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Marti
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(S-10-828-395-16

(S-10-828-395-16

(S-10-828-16)

(SENERAL INFORMATION:

(APPLICANT: Jackson, John

(APPLICANT: Burt, Helen

(APPLICANT: Springate, Christopher

(APPLICANT: Chris
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1100 GATGCTCAACACCTCCTCC 1118
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1 GAUGCUCAACACCUCCUCC 19
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Matches 15; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , ORGANISM: human
US-10-828-394-18
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US-10-828-395-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
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Sequence 17, Application US/10828394

Publication No. US20040220131A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Burt, Helen

APPLICANT: Glave, Martin

TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

FILE REFERENCE: UBC.P-033

CURRENT FILING DATE: 2004-04-19

PRIOR FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SEQ ID NO 17

LENGHAL: 19

LENGH: 19
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Sequence 16, Application US/10828394

Publication No. US20040220131A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Burt, Helen

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

FILE REFERENCE: USC.P.033

CURRENT FILING DATE: 2004-04-19

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

LENGTH: 19
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                                                                                                                                                                                                       Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                   ; OTHER INFORMATION: RNAi fo rhuman clusterin US-10-646-436-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      482 CCAGAGCTCGCCCTTCTAC 500
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Best Local Similarity 78.9
Matches 15; Conservative
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            ORGANISM: artificial
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Best Local Similarity
Matches 15; Conserv
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US-10-828-394-16
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 338
US-10-828-394-16
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Maxim
APPLICANT: Gleave, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Eferathios
ITILE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-03
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PELING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 21;
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                     FILE REFERENCE: UBC. P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
FRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOSTWARE: Patentin version 3.2
SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.2%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 1.6 Matches 19; Conservative 0; Mismatches
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US-10-646-391A-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-10
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US-10-380-124-4
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Sequence 18, Application US/10828395

Publication No. US20040224914A1

Publication No. US20040224914A1

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

APPLICANT: Martin

TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders

FILE REFRENCE: UBC.P-032

CURRENT APPLICATION NUMBER: US/10/828,395

CURRENT FILING DATE: 2003-04-19

PRIOR APPLICATION NUMBER: US 60/464,160

SPRIOR PILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: Patentin Version 3.2
                                                                       APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
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Pred. No. 1.4e+02;
4; Mismatches 0; Indels
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Pred. No. 1.4e+02;
6; Mismatches 0;
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; Sequence 29, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Jansen, Burkhard
Sequence 17, Application US/10828395
Publication No. US20040224914A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1100 GATGCTCAACACCTCCTCC 1118
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Best Local Similarity 78.9%;
Matches 15; Conservative 4
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Best Local Similarity 68.4
Matches 13; Conservative
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CRGANISM: human
US-10-828-395-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: human
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LENGTH: 19
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Gaps

10828394-1 1-1643.rnpb.sl

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APPLICANT: Martinez, Robert
APPLICANT: Bartinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SSC TWARES PATENTIN Version 3.2
SEQ ID NO 11047
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                           TITLE OF INVENTION: HAVING 2'-0-(2-METHOXY) ETHYL MODIFICATIONS
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                                     TILLE NEINVENTAGE.

CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 10902-02-26
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR PILING DATE: 1099-02-26
PRIOR PILING DATE: 2001-08-10
PRIOR PILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
SOFTWARE: PATENTING DATE: 201-08-30
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Sequence 11047, Application US/10751736
Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          48 ATGATGAAGACTCTGCTG 68
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Best Local Similarity 90.5
Matches 19; Conservative
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; ORGANISM: homo sapiens
US-10-751-736-11047
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Best Local Similarity
Matches 19; Conserval
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) ORGANISM: HUMAN
US-10-080-794-15
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| Publication No. US20030158130A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Miyake, Hideaki
| TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Object of the Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Object of the Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Object of the Cancer by Antisense TRPM-2
| TITLE OF INVENTION: Object of the Cancer by Antisense TRPM-2
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| TITLE OF INVENTION: Object of the Cancer by Antisense TRPM-2
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| Sequence 15, Application US/10080794 |
| GENERAL INFORMATION: Martin |
| APPLICANT: Rennie, Paul S. |
| APPLICANT: Miyake, Hideaki |
| APPLICANT: Molson, Colleen |
| APPLICANT: Monia, Brett P. |
| TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; Sequence 4, Application US/10380124;
; Publication No. US20040053874A1;
; Publication No. US20040053874A1
; APPLICANT: Isls Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TILLE OF INVENTION: APTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS.0156
; CURRENT APPLICATION UNMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NOS: 91
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: 2 base mismatch primer from human TRPM-2 US-09-967-726A-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.1%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.6e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 TCCGTACGAGCCCCTGAA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: PCR Primer US-10-380-124-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 90.5
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 347
US-09-967-726A-15/c
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Sequence 4811, Application US/10786720
Publication No. US20040191818A1
GENERAL INFORMATION:
APPELICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: D. TOOLE, MARGOT
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTMARE: Patentin version 3.2
SEQ ID NO 4811
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 24026, Application US/10751736
; Sequence 24026, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Wyeth
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR PRILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SOFTWARE: PatentIn version 3.2
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Pred. No. 2.8e+02;
0; Mismatches 2; Indels
    90.0%; Pred. No. 2.8e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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Pred. No. 2.8e+02;
0; Mismatches 2;
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                                                                 583 ACTICAGCCGCGCGTCCAGC 602
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ilarity 90.0%;
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Best Local Similarity 90.0%;
Matches 18; Conservative
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US-10-786-720-4811
                        Conservative
Best Local Similarity
Matches 18; Conserv
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Best Local Similarity
Matches 18; Conserv
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US-10-751-736-24026/c
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US-10-786-720-4811/c
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; ORGANISM: RNAi
US-10-751-736-24026
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US-10-911-318-81/c
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LENGTH: 21
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| Publication No. US20040191818A1
| Publication No. US20040191818A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Liu, Wei
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
| TITLE OF INVENTION: DISBASES
| FILE REFERENCE: 031896-023000 (AM101331L.)
| CURRENT APPLICATION UNDERS: US/10/786,720
| CURRENT FILING DATE: 2004-02-26
| NUMBER OF SEQ ID NOS: 21135
| SOFTWARE: Patentin version 3.2
| LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4073, Application US/10786720
Sequence 4073, Application US/10786720
Sequence 4073, Application No. US20040191818A1
GENERAL INFORMATION:
APPLICANT: O'TOOLE, MARGOT
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION NUMBER: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 4073
LIBNGTH: 21
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  PRIOR APPLICATION NUMBER: 60/256,948
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PatentIn version 3.1
SEQ ID NO 37
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                     524 CGACTCCTGCTGGAGACG 543
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                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                             OTHER INFORMATION: DNA Primer US-10-921-868A-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: RNA
; ORGANISM: RNAi-sense strand
US-10-786-720-3371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: RNAi-sense strand US-10-786-720-4073
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Matches 18; Conserva
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US-10-786-720-4073/c
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ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Le
. 1.9e+02;
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ZIP: 10016

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CLASSIFICATION DATA:

APPLICATION NUMBER: US/09/899,082A

FILING DATE: 06-041-2001

CLASSIFICATION: cUnknown>

PRIOR APPLICATION: cunknown>

PRIOR APPLICATION NUMBER: US/09/378,900

FILING DATE: 18-UUL-1994

APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-193

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 37-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: CHARLES A. NUCSERLIAM

REFERENCE/DOCKET NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 19,683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.0%; Score 16; DB Best Local Similarity 100.0%; Pred. No. 1.9 Matches 16; Conservative 0; Mismatches
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TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 97, Application US/09899082A Patent No. US20020106638A1 GENERAL INFORMATION:
   TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INPORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECTLE TYPE: CDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1508 CAGCCTCCAGGCCCCC 1523
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                                                                                                                                                                                                                                                                                                                                                                            ; ANTI-SENSE: YES
US-09-294-121A-97
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Sequence 81, Application US/10911318
Publication No. US20050130186A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD OF DETECTION CHIP AND FABRICATION METHOD THEREOF AND
TITLE OF INVENTION: METHOD OF DETECTION
TITLE OF INVENTION: DETECTION
FILE REFERENCE: 12333-US-PA
CURRENT APPLICATION NUMBER: US/10/911,318
CURRENT APPLICATION NUMBER: US/10/911,318
PRIOR APPLICATION NUMBER: TW 92135134
PRIOR FILING DATE: 2004-08-03
PRIOR APPLICATION NUMBER: 1W 92135134
SOFTWARE: PATENT NO SC 134
SSOTTANE PATENT NO SC 134
SSOTTANE PATENT NO SC 134
SSOTTANE PATENT NO SC 121
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 97, Application US/09294121A
| Sequence 97, Application US/09294121A
| Patent No. US20020069422A1
| GENERAL INFORMATION:
| APPLICANT: MARETENS, GERT; STUYVER, LIEVEN;
| APPLICANT: MARETENS, GERT; STUYVER, LIEVEN;
| APPLICANT: ROSSAU, WID I; VAN HEUVERSWYN, HUGO
| TITLE OF INVENTION: ISOLATES
| TITLE OF INVENTION: ISOLATES
| NUMBER OF SEQUENCES: ADDRESS: ADDRESSE: BIERMAN & MUSERLIAN
| STRET: NEW YORK | STATE: NEW YORK | CONTROLATES | COMPUTER READABLE FORM: | MEDLUM TYPE: Floppy disk | COMPUTER: ISM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS | CONTROLATES | ASSISTM: PC-DOS/MS-DOS | CONTROLATES | CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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CLASSIFTCATION:
PRIOR APPLICATION:
PRIOR APPLICATION NUMBER:
RILING DATE:
18-JUL-1994
APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
RILING DATE: 31-AUG-1993
PRIOR APPLICATION NUMBER:
FILING DATE: 37-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME:
CHARLES A. MUSERLIAN
REGISTRATION NUMBER:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER:
REFERENCE/DOCKET NUMBER:
REFERENCE/DOCKET NUMBER:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/294,121A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                 FOR TYPING OF HCV
                                                                                                                                                                                     Sequence 97, Application US/09899044

Publication No. US20030036053A1

GENERAL INFORMATION:

ROSSAU, RUDI; VAN HEUVERSWYN, HUGH

TITLE OF INVENTION: PROCESS FOR TYPING OF HC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.0%; Score 16; DB 1; L
100.0%; Pred. No. 1.9e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: «Unknown»
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION OF SPICAL CALLS FLOREY COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: ASCII CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,044 FILLING DATE: 06-Uul-2001 CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 410.004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; SEQUENCE DESCRIPTION: SEQ ID NO: 97: US-09-899-044-97
                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 09/378,900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 97, Application US/10822711
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                                          1508 CAGCCTCCAGGCCCCC 1523
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 10016
COMPUTER READABLE FORM:
                                                                                    16 CAGCCTCCAGGCCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: CDNA
    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
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                                                                                                                                                                     US-09-899-044-97/C
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16;
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    Matches
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                                                                                                     1.0%; Score 16; DB 1; Length 16;
100.0%; Pred. No. 1.9e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                        US-09-999-302-97/C
; Sequence 97, Application US/09899302
; Patent No. US20020168626A1
; Patent No. US20020168626A1
; GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: PROCESS
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 36-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPAN: (212) 661-8000
TELEPAN: (212) 661-8000
TELEPAN: (212) 661-8000
TELEPAN: (212) 661-8000
           ANTI-SENSE: YES
SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-09-899-082A-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,302
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                         1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                   16 casccrccasscccc 1
                                                                                                     Query Match
Best Local Similarity 100.0
Matches 16; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
    HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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US-09-899-302-97
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Sequence 137, Application US/10160787
Publication No. US20030225256A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION
TITLE REFERENCE: RTS-0204
CURRENT APPLICATION NUMBER: US/10/160,787
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 141
SEQ ID NO 137
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-040-391A-24
; Sequence 24, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INFORMATION:
    APPLICANT: Glaeve, Martin
; APPLICANT: Glaeve, Martin
; APPLICANT: Glaeve, Martin
; APPLICANT: Glaeve, Martin
; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
; FILE REFERENCE: USC.9-035
; CURRENT APPLICATION NUMBER: US 60/406,391A
; CURRENT FILING DATE: 2003-08-21
; PRIOR FILING DATE: 2002-08-21
; PRIOR FILING DATE: 2002-12-02
; PRIOR PLILNG DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: US 60/408,152
; PRIOR PILING DATE: 2003-05-20
; PRIOR FILING DATE: 2003-05-20
; RIOR PELING DATE: 2003-05-20
; ROFURARER FILING NUMBER: US 60/473,387
; RIOR FILING DATE: 2003-05-20
; RIOR PELING DATE: 2003-05-20
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1.0%; Score 16; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                           Length 20;
                                                                                                                                                                                                                                                                                                                                                     0; Indels
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Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches C
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OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                                                                     ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-787-84
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CURRENT FILING DATE: 2002-05-31
UMBER OF SEQ ID NOS: 141
SEQ ID NO 84
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                   1583 CATGGGAAGAACAGAA 1598
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                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 CATGGGAAGAACAGAA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: H. sapiens
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US-10-646-391A-24
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US-10-160-787-137
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US-10-160-787-84/C
iS-20uence 84, Application US/10160787
; Sequence 84, Application US/10160787
; Publication No. US20030225256A1
; GENERAL INFORMATION:
; APPLICANT: Andrew T. Watt
; TILLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION
; FILE REFERENCE: RTS-0204
; CURRENT APPLICATION NUMBER: US/10/160,787
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Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
            Publication No. US20040191768A1
GENERAL INFORMATION:
GENERT, STUYVER, LIEVEN;
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCY
ISOLATES
                                                                                                                                                                                                                                                                                                                                                                                    COUNTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCIT

TILING DATE: 13-Apr-2004

CLASSIFICATION NUMBER: US/10/822,711

FILING DATE: 13-Apr-2004

CLASSIFICATION NUMBER: US/09/899,082A

PRIOR APPLICATION NUMBER: US/09/899,082A

FILING DATE: 06-011-2001

APPLICATION NUMBER: US/09/378,900

FILING DATE: 06-011-1994

APPLICATION NUMBER: PC/15P93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 31-AUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 37-NOV-1992

ATTORNEY/ARCHION NUMBER: 19,683

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEBRONE: (212.061-900)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-10-822-711-97
                                                                                                                                                                                     NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
STREET: 600 THIRD AVENUE
CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 97:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1508 CAGCCTCCAGGCCCCC 1523
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ORGANISM: artificial
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US-10-646-391A-26

is Sequence 26, Application US/10646391A

sequence 26, Application WS/10646391A

sequence 26, Application WS/10646391A

is GENERAL INFORMATION:

is APPLICANT: Glasse, Martin

is APPLICANT: Glasse, Martin

is APPLICANT: Glasse, Martin

is APPLICANT: Glasse, Martin

is APPLICANT: Glasse, Burkhard

is TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

is TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

is TILL OF INVENTION: USBER: US 46,391A

is CURRENT APPLICATION NUMBER: US 60/405,193

is PRIOR APPLICATION NUMBER: US 60/408,152

is PRIOR FILING DATE: 2002-12-02

is PRIOR FILING DATE: 2002-09-03

is PRIOR FILING DATE: 2002-09-03

is PRIOR FILING DATE: 2003-09-03

is SOFTMARE: Patentin version 3.2

is SOFTMARE: Patentin version 3.2

is SOFTMARE: Patentin version 3.2
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Sequence 27, Application US/10646391A

Sequence 27, Application No. US20040082534A1

GENERAL INFORMATION:
APPLICANT: Jansen, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILLE REPRENCE: UBC. P-0.35

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2003-08-21
                                                                                                    Gaps
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                                                  Length 19;
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Pred. No. 2.8e+02;
5; Mismatches 2; Indels
                               Score 15.8; DB 1; Length 1
Pred. No. 2.88+02;
Mismatches 2; Indels
                                                                                                 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR PILING DATE: 2002-12-02
PRIOR PELICATION NUMBER: US 60/319,748
PRIOR PELING DATE: 2002-12-02
PRIOR PELICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PELING DATE: 2002-09-03
PRIOR PILING DATE: 2003-05-03
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
                                                                                                                                                   1616 TAATTCAATAAAACTGTCT 1634
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1 UAAUUCAACAAAACUGUTT 19
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                                            Query Match
Best Local Similarity 63.2%;
Matches 12; Conservative
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Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: artificial
US-10-646-391A-24
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APPLICANT: Signsevsky, Maxim

APPLICANT: Signsevsky, Maxim

APPLICANT: Trougakos, Ioannis

APPLICANT: Trougakos, Ioannis

APPLICANT: Gonos, Efstathios

TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins

FILE REFERENCE: UBC. P-030

CURRENT APPLICATION NUMBER: US/10/646,436

CURRENT APPLICATION NUMBER: US 60/406,193

PRIOR FILING DATE: 2002-09-21

; PRIOR FILING DATE: 2002-09-03
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APPLICANT: Gleave, Marxin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Bliana
APPLICANT: Tougakos, Ioannis
APPLICANT: Gonos, Efectitios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
CURRENT APPLICATION UMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
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                                                                                                                                 Length 19;
                                                                                                                                                                                         Indels
                                                                                                                                 Query Match
1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2;
; ORGANISM: artificial
; FEATURE:
; CHECRMATION: RNAi for human clusterin
US-10-646-391A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 6/405,133
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 7
LENCTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7, Application US/10646436 Publication No. US20040096882A1 GENERAL INFORMATION:
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Publication No. US20040096882A1
GENERAL INFORMATION:
APPLICANT: Jansen, Burkhard
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HILLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
ITILE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
ITILE REPRENENCE: 400/129 (MEHBO2-763B)
FILE REPRENENCE: 400/129 (MEHBO2-763B)
CURRENT APPLICATION NUMBER: US 10/444,853
FRICA APPLICATION NUMBER: US 10/444,853
FRICA PAPLICATION NUMBER: PCT / US02/09187
FRICA PAPLICATION NUMBER: PCT / US02/09187
FRICA FILING DATE: 2003-05-23
FRICA FILING DATE: 2003-05-26
FRICA FILING DATE: 2002-02-02
FRICA PAPLICATION NUMBER: PCT / US02/09187
FRICA FILING DATE: 2002-03-06
FRICA APPLICATION NUMBER: USN 60/401,104
FRICA FILING DATE: 2002-03-11
FRICA FILING DATE: 2002-03-11
FRICA FILING DATE: 2002-03-11
FRICA FILING DATE: 2002-06-06
FRICA APPLICATION NUMBER: USN 60/386,782
FRICA FILING DATE: 2002-06-06
FRICA APPLICATION NUMBER: USN 60/406,784
FRICA FILING DATE: 2002-06-06
FRICA FILING DATE: 2002-09-05
FRICA FILING DATE: 2002-09-06
FRICA FILING DATE: 2002-09-09
FRICA FILING DATE: 2002-0
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APPLICANT: CHEN, Wensheng
APPLICANT: SHAWNON, Mark
TITLE OF INVENTION: MYSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Local Similarity 89.5%; Pred. No. 2.8e+02;
les 17; Conservative 0; Mismatches 2;
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                                                                                                                                                                                      ; Sequence 1001, Application US/10667271; Publication No. US20040209831A1
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1 CUCAAAGAAAAACCAAACG 19
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                                                                                                                                                                                                                                                                                                          APPLICANT: Sirna Therapeutics
APPLICANT: McSwiggen, James
APPLICANT: Macejak, Dennis
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Beigelman, Leonid
APPLICANT: Morrissey, David
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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                                                                                                                                                             US-10-667-271-1001/c
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APPLICANT:
APPLICANT:
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VS-10-667-271-30

VS-10-667-271-30

VS-10-667-271-30

Publication US US20040209831A1

GENERAL INFORMATION: Widexiggen, James

APPLICANT: Mickingen, James

APPLICANT: Mickingen, James

APPLICANT: Baigelman, Jeonid

APPLICANT: Baigelman, Leonid

APPLICANT: Macciak, Dennis

PRIOR APPLICANTION NUMBER: US/10/667,271

CURRENT PLING DATE: 2003-02-26

PRIOR APPLICANTON NUMBER: US/N 60/363,124

PRIOR PLING DATE: 2002-03-26

PRIOR APPLICANTON NUMBER: US/N 60/363,124

PRIOR PLING DATE: 2002-03-26

PRIOR PLING DATE: 2002-03-36

PRIOR PLING DATE: 2002-03-36
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US-10-667-271-305
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 2.8e+02;
Matches 16; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.8e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: RNA! for human clusterin
        PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SCFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 19
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                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: artificial
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94.1%; Pred. No. 2.4e+02;
                       0; Mismatches
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ORGANISM: artificial sequence
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                                                                                1619 TTCAATAAAACTGTCTT
                         16; Conservative
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Best Local Similarity
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Matches 16; Conserv
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US-09-740-332-3013/c
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US-09-740-332-1542
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APPLICANT: Black, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrize, Bharat
APPLICANT: Chowrize, Bere
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US (60/181,797
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SCOTTARE: Patentin version 3.0
SEQ ID NO 170
LENGTH: 17
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44.1%; Pred. No. 2.4e+02;
ve 0; Mismatches 1; Indels
              PRIOR PELICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-06-36
PRIOR PLING DATE: 2000-00-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PELING DATE: 2000-01-30
PRIOR PLING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 170, Application US/09780533A Publication No. US20030060611A1 GENERAL INCOMPATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-8666
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CRGANISM: Homo sapiens
US-09-780-533A-170
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Sequence 1542, Application US/09740332
Publication No. US2003012527041
Publication No. US2003012527041
REMEMBER INFORMATION:
APPLICANT: Ribosyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 1542
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Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 3013
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0.9%; Score 15.4; DB 1;
Best Local Similarity 70.6%; Pred. No. 2.4e+02;
Matches 12; Conservative 4; Mismatches 1;
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RESULT 374

0.9%; Score 15.4; DB 1; Length 17;

Query Match

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APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Relabeth, Roberts
APPLICANT: Relabeth, Roberts
TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAD:
TITLE OF INVENTION: VIRUS REPLICATION
TORRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-12-05
PRIOR PAPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2001-12-05
PRIOR PAPLICATION NUMBER: US 09/417,879
PRIOR FILING DATE: 2001-03-26
PRIOR PELING DATE: 2001-03-16
PRIOR FILING DATE: 2000-03-11
PRIOR FILING DATE: 2000-03-11
PRIOR FILING DATE: 2000-07-07
PRIOR PARES PAREMENT PARES PAREMENT PA
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APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Renneth, Draper
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: UNRORE REPLICATION WINBER: US/10/669,841
CURRENT APPLICATION NUMBER: US/10/669,841
PRIOR APPLICATION NUMBER: PCT/US02/09187
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
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ORGANISM: Artificial Sequence
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Dennis, Macejak
James, McSwiggen
David, Morrissey
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APPLICANT:
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Sequence 3013, Application US/09817879

Sequence 3013, Application US/09817879

Sequence 3013, Application US/09817879

SENERAL INFORMATION: Baryametic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Baryametic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection

FILE REFERENCE: MBHB00-801-F

CURRENT APPLICATION UNMER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: Patentin Version 3.0

SEQ ID NO 3013

LENGTH: 17
   Sequence 1542. Application US/09817879

Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICATOR: Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C Virus Infection

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 1542
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0.9%; Score 15.4; DB 1;
Best Local Similarity 70.6%; Pred. No. 2.46+02;
Matches 12; Conservative 4; Mismatches 1;
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; Sequence 4135, Application US/10669841
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: James, McSwiggen
; APPLICANT: James, McSwiggen
; APPLICANT: David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 766 TCCACGCCATGTTCCAG 782
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ORGANISM: artificial sequence
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US-09-817-879-3013/c
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US-09-817-879-1542
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APPLICANT: Burt, Helen.
APPLICANT: Springate, Christopher
APPLICANT: Glave, Marthy
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REPRENCE: UBC.P-0.3
FILE REPRENCE: UBC.P-0.3
CURRENT APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION NUMBER: US 60/464,159
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 17
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                                  PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR FILING D
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APPLICANT: Dackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICANTION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-18
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APPLICATION NUMBER: PCT/US01/00669
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Publication No. US20040220131A1
GENERAL INFORMATION:
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Publication No. US20040224914A1
GENERAL INFORMATION:
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-8666
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ORGANISM: artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-828-394-19/c
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; Sequence 8666, Application US/10723361
; Publication No. US20040137589A1
GENERAL INPORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: GU, Yizhong
; APPLICANT: HANZEL, David R.
; APPLICANT: HANZEL, David R.
; APPLICANT: RENN, SHANNON, MARK
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION HUMAN WOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
; TITLE OF INVENTION WIMBER: US/10/723.361
; CURRENT APPLICATION NUMBER: US 69/866,108
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR PILING DATE: 2000-10-26
; PRIOR PILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR PILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR PILING DATE: 2001-01-30
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              FRIOR TLINE SUNDER: 0.02-06

PRIOR APPLICATION NUMBER: US 60/296,876

PRIOR PELLING DATE: 2001-06-08

PRIOR PELLING DATE: 2001-10-24

PRIOR PELLING DATE: 2001-110-24

PRIOR PELLING DATE: 2001-110-26

PRIOR PELLING DATE: 2001-12-05

PRIOR PELLING DATE: 2002-03-01

PRIOR PELLING DATE: 2002-03-01

PRIOR PELLING DATE: 2002-03-11

PRIOR PELLING DATE: 2002-03-11

PRIOR PELLING DATE: 2001-03-26

PRIOR PELLING DATE: 2001-03-26

PRIOR PELLING DATE: 2000-03-16

PRIOR PELLING DATE: 2000-012-18

PRIOR PELLING DATE: 2000-012-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial Sequence
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    FILING DATE: 2002-03-26
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Sequence 3014, Application US/09817879

Publication No. USZ0030171311A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBH800-801-F
CURRENT APPLICATION UNMBER: US/09/817,879

CURRENT APPLICATION 3.001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE PATENTIN VERSION 3.0

SEQ ID NO 3014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Remeth, Draper
APPLICANT: Kenneth, Draper
APPLICANT: Remeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLECTIOE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: 100,000 WIREBERGENICE: 100,000 WIREBERGENICE: 100,000 WIREBERGENICE
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
                                   0.9%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 2.6e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: artificial sequence
                                                                                                                                  766 TCCACGCCATGTTCC 780
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Dennis, Macejak
James, McSwiggen
David, Morrissey
Pamela, Pavco
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Best Local Similarity 100.0
Matches 15; Conservative
                                                             Best Local Similarity 100.
Matches 15; Conservative
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US-10-669-841-5607/c
                                                                                                                                                                                                                                                 RESULT 383
US-09-817-879-3014/c
US-09-740-332-3014
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APPLICANT:
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APPLICANT:
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                                          Query Match
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Publication No. US20030125270A1
GENERAL INFORMATION: Paramaceuticals Inc.
GENERAL INFORMATION: Braymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION UNDER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE PATENTIN Version 3.0
SEQ ID NO 3014
LENGTH: 17
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US-10-758-451-883/C
Sequence 883, Application US/10758451
Sequence 883, Application US/10758451
Sequence 883, Application US/10758451
Sequence 883, Application US/10758451
GENERAL INFORMATION:
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF ITILE OF INVENTION: INFLAMMATION ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES)
TITLE OF INVENTION: INFLAMMATION ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES)
TITLE OF INVENTION: INFLAMMATION
TITLE OF INVENTION: 1087-906
CURRENT APPLICATION NUMBER: US/10/758,451
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTHER OF SEQ ID NOS: 996
SEQ ID NO 883
LENGTH: 15
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US-10-828-395-19
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100.0%; Pred. No.
tive 0; Mismatch
  PRIOR APPLICATION NUMBER: US 60/464,160 PRIOR FILING DATE: 2003-04-18 NUMBER OF SEQ ID NOS: 23 SOFTWARE: Patentin version 3.2 SEQ ID NO 19 LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                       1616 TAATTCAATAAAACTGT 1632
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Best Local Similarity 100.0
Matches 15; Conservative
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NAME/KEY: misc_feature
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CORGANISM: Homo sapiens
US-10-758-451-883
                                                                                                                                             TYPE: RNA
ORGANISM: artificial
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APPLICANT: Ji, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR PELLIANG DATE: 2001-03-29
PRIOR PELLIANG DATE: 2000-05-26
PRIOR PELLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-03-09
PRIOR PLING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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                                                                                                                                                                                              Sequence 8352, Application US/09866108
Patent No. US20020048800A1
        1 CTCCCACGCCATCTTCCA 18
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Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8352
                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-866-108-8353/c
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Publication No. US20050004056A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Eulenberg, Karsten

APPLICANT: Fitsch, Rudiger

APPLICANT: Fitsch, Rudiger

APPLICANT: APPLICANT: Gunter

APPLICANT: Bronner, Gunter

APPLICANT: Bronner

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                                                                    PRIOR FILING DATE: 2001-03-26
PRIOR PLING DATE: 2000-12-18
PRIOR PLING DATE: 2000-12-18
PRIOR PLING DATE: 2000-12-18
PRIOR PLING DATE: 2000-07-07
PRIOR APPLICATION WUMBER: US 09/611,931
PRIOR PILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
WUMBER: OF SEQ ID NOS: 16207
SEQ ID NO 5607
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; LOCATION: -
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5607
FILING DATE: 2002-03-11
APPLICATION NUMBER: US 09/817,879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        764 CTTCCACGCCATGTTCCA 781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           766 TCCACGCCATGTTCC 780
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
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GENERAL INFOGRATION:
APPLICANT: GU, Yanggang
APPLICANT: GU, Yanggang
APPLICANT: BENN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MARK
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ASOUNCA-7
CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
                                  PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: DCT/USO1/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
APPLICATION NUMBER: GB 24263.6
FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
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Patent No. US20020048800A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   273 GAAGCCAAGAAGAGA 288
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ), ORGANISM: Homo sapiens
US-09-866-108-8665
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gequence 8665, Application US/09866108

patent No. US20020048800A1

GENERAL INFORMATION:

APPLICANT: GLY Yizhong

APPLICANT: PENN, Sharron G.

APPLICANT: PENN, Sharron G.

APPLICANT: RANK. David R.

APPLICANT: CHEN, Wensheng

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: WGSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT FILING DATE: 2001.05-25

PRIOR APPLICATION NUMBER: US 60/207,456
    APPLICANT: RANK, SHARTON G.
APPLICANT: RANK, BARATON G.
APPLICANT: CHEN, WENGHOLD G.
TILE OF INVENTION HYDGIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE OF THE SHANKON, MARK.
TILLE OF INVENTION HYDGIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE OF THE SHART FILING DATE: 2000-05-26
FRIOR APPLICATION NUMBER: 08 60/236,359
FRIOR PLILING DATE: 2000-10-30
FRIOR PLILING DATE: 2001-01-30
FRIOR PLILING DA
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; ORGANISM: Homo sapiens
US-09-866-108-8353
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US-09-866-108-8665
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| PRECENT NO. USZODZO048800A1
| GENERAL INFORMATION:
| APPLICANT: 01, Yanggang
| APPLICANT: 01, Yanggang
| APPLICANT: PENN, Sharron G.
| APPLICANT: PENN, Sharron G.
| APPLICANT: RANK, David R.
| APPLICANT: RANK, David R.
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
| TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
| TILLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
| FILE REFERENCE: AEOMICA-7
| CURRENT APPLICATION NUMBER: US 60/207,456
| PRIOR PLILNG DATE: 2000-05-26
| PRIOR PLILNG DATE: 2000-010-04
| PRIOR PLILNG DATE: 2001-01-00-30
| PRIOR PLILNG DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 17;
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SSOFTWARE: Aeomica Sequence Listing Engine
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00670
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PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10038, Application US/09866108
Patent No. US20020048800A1
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ORGANISM: Homo sapiens
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APPLICANT: GU, Yizhong
APPLICANT: GI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/206,50
FRIOR PILING DATE: 2000-10-01-01
FRIOR APPLICATION NUMBER: PCT/US01/00666
FRIOR FILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00664
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR FILING DATE: 2001-01-30
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                                     PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00663
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-31
PRIOR PLING DATE: 2001-01-31
PRIOR PLING DATE: 2001-01-31
PRIOR PLING DATE: 2001-02-05
SUPPRARE: Aeomica Sequence Listing Engine
SEQ ID NOS: 15752
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PILING DATE: 2010-01-30
APPLICATION NUMBER: PCT/USO1/00663
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             274 AAGCCAAGAAGAA 289
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              FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8667
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US-09-866-108-10037/c
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US-09-780-533A-171
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| Sequence 7, Application US/09928412
| Patent No. US20020123623A1
| GENERAL INFORMATION:
| APPLICANT: KAWAOKA, Akiyoshi
| APPLICANT: KAWAOKA, Hiroyasu
| TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOID
| TITLE OF INVENTION: TRANSCRIPTION PACTOR CONTROLLING PHENYLPROPANOID
| TITLE OF INVENTION: TRANSCRIPTION PACTOR CONTROLLING PHENYLPROPANOID
| TITLE OF INVENTION: TRANSCRIPTION OF SECURITY OF STORE FILING DATE: 1009/928,412
| CURRENT APPLICATION NUMBER: US/09/928,412
| PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-03-31
| PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31
| NUMBER OF SEQ ID NOS: 13
| SOFTWARE: PARENTIN Ver. 2.1
| LENGTH: 17
                                                                                                                                                                 Gaps
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US-09-928-412-7
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                                                                                                                            0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 3e+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                              1; Indels
SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 10038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1104 CTCAACACCTCCTCT 1119
                                                                                                                                                                                                 715 CCCGCATCGTCCGCAG 730
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
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SOFTWARE: Patentin version 3.0
SEQ ID NO 171
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 Similarity 93.8%;
15; Conservative
                                                                                                                          Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
                                                      TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                      US-09-866-108-10038
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Bibozyme Pharmaccuticals, Inc.
APPLICANT: Blatt, Larry
Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSviggen, Jim
APPLICANT: WcSviggen, Jim
CURRENT APPLICANT: 1992-05-14
FRIOR FILING DATE: 2000-03-20
FRIOR FILING DATE: 2000-06-09
FRIOR PRIOR APPLICANT: WWHERE: US 09/636,387
FRIOR APPLICANT: WWHERE: US 08/193,627
FRIOR PELING DATE: 2000-10-24
FRIOR FILING DATE: 1995-05-04
FRIOR FILING DAT
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US-09-740-312-1543
US-09-740-312-1543

Sequence 1543, Application US/09740332

Publication No. US20030125270A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT PILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 1543
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0.9%; Score 14.4; DB 1; Length 17;
33.8%; Pred. No. 3e+02;
ve 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1745, Application US/09877478 Publication No. US20030068301A1 GENERAL INFORMATION:
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                                           93.8%;
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                                           Best Local Similarity
Matches 15; Conserv
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REPERENCE: 400/057 (MBHB01-1158-A)
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: US 6/16840
PRIOR FILING DATE: 2001-05-10
PRIOR PILING DATE: 2001-09-10
PRIOR PILING DATE: 2001-09-10
SPIOR FILING DATE: 2001-09-10
SPIOR FILING DATE: 2001-09-10
SEQ ID NOS: 4666
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2912
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US-10-339-793-366

Sequence 366, Application US/10339793

Publication No. US20030180764A1

GENERAL INFORMATION:

APPLICANT: Lynx Therapeutics, Inc.

APPLICANT: Bowen, Benjamin

TITLE OF INVENTION:

TITLE REFERENCE: 37-000310US

CURRENT APPLICATION NUMBER: US/10/339,793

CURRENT FILING DATE: 2003-01-08

SOFTWARE: Patentin version 3.1

SOFTWARE: Patentin version 3.1
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Pred. No. 3e+02;
0; Mismatches 1; Indels
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Pred. No. 3e+02;
0; Mismatches 1;
Mismatches
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Sequence 2912, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
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; Publication No. US20040054156A1
; GENERAL INFORMATION:
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                                            1508 CAGCCTCCAGGCCCCC 1523
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                                                                                      1 CAGCCTCCAGGACCCC 16
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Best Local Similarity 93.8%;
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Best Local Similarity 93.8%;
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  15; Conservative
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CORGANISM: Homo sapiens
US-10-339-793-366
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CORGANISM: Homo sapiens
US-10-238-700-2912
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SEQ ID NO 1543
LENGTH: 17
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Publication No. US20030134312A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: BURGOYNE, LEIGH A.
TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
FILE REPERENCE: 4586-56064
CURRENT APPLICATION NUMBER: 2002-11-15
PRIOR APPLICATION NUMBER: 60/336,005
PRIOR FILING DATE: 2001-11-15
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 4
LENGTH: 17
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                                                                                                                                                                                Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 75.0%; Pred. No. 3e+02; Matches 12; Conservative 3; Mismatches 1; Indels
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                                                                                         ; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , OTHER INFORMATION: oligonucleotide substrate US-09-817-879-1543
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; Sequence 1543, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
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  TYPE: RNA ORGANISM: artificial sequence
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ORGANISM: Artificial Sequence
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                                                                 NAME/KEY: misc_feature
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Best Local Similarity
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Sequence 8431, Application US/10287949A

Sequence 8431, Application US/10287949A

Sequence 8431, Application US/20040102389A1

SEQUENCE 8431, Application

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Roco, Pam

APPLICANT: Stinchcomb, Dan

APPLICANT: McSwiggen, Jim

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: McSwiggen, Jim

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: S
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APPLICANT: Parmela, Pavoo

APPLICANT: Parmela, Pavoo

APPLICANT: Parmela, Pavoo

APPLICANT: Farines, Lee
APPLICANT: Farines, Lee
APPLICANT: Elisabeth, Roberts

TITLE OF INVENTION: OLISONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA;
TITLE OF INVENTION: VIROS REPLICATION
TITLE OF INVENTION NUMBER: US 60/296,876
PRIOR PILING DATE: 2001-02-4
PRIOR PELICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-03-10
PRIOR FILING DATE: 2001-03-11
PRIOR FILING DATE: 2001-03-11
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2001-03-11
PRIOR FILING DATE: 2001-03-11
PRIOR FILING DATE: 2001-03-11
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2000-07-07
PRIOR FILING DATE: 2000-
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Publication No. US20040127446A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1545 GCTCTGGATCCTGCAC 1560
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Best Local Similarity 93.8<sup>1</sup>
Matches 15; Conservative
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ORGANISM: Homo sapiens
          US-10-287-949A-8431/c
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                                                             APPLICANT: Still All Applicants Applicants Applicants Shift Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANTON: Method and Reagent for Inhibiting Hepatitis B Virus ReplicantoN NUMBER: US 09/871,478
PRIOR APPLICATION NUMBER: US 09/871,478
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-06-09
PRIOR FILING DATE: 2000-06-09
PRIOR PRIOR APPLICATION NUMBER: US 09/636,347
PRIOR PLING DATE: 2000-10-24
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1999-11-08
PRIOR FILING DATE: 1990-11-08
PRIOR PRIOR FILING DATE: 1990-11-08
PRIOR FILING DATE: 1990-11-08
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF PRERENEUS: MHR00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT PILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
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Sequence 8431, Application US/10138674
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                         APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1545 GCTCTGGATCCTGCAC 1560
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , ORGANISM: Hepatitis B virus US-10-342-902-1745
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CORGANISM: Homo sapiens
US-10-138-674-8431
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US-10-138-674-8431/c
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SOFTWARE: PatentIn version 3.0

RESULT 402

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Gaps

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APPLICANT: GU, Yizhong
APPLICANT: GU, Yonggang
APPLICANT: David K.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wenabheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE OF INVENTION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US/10/723,361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: SHANNON, MAIK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PLING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-0-65-26
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
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SEQ ID NO 8352
                                                                                                                                                                                                                                                               Sequence 8352, Application US/10723361; Publication No. US20040137589A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 8353, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
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768 CACGCCATGTTCCAGC 783
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Weneheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-8352
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APPLICANT: Patrice, Lee
APPLICANT: Batrice, Lee
APPLICANT: Remeth, Drapest
APPLICANT: Remeth, Drapest
APPLICANT: Remeth, Roberts
APPLICANT: Remeth, Roberts
TITLE OF INVENTION: OLICOMUCLECTION WITHOUT ON UTION REPLICATION
FILE REPERENCE: 400/0420S (WHENDOZ-29-E)
CURRENT FILING DATE: 2002-03-26
PRIOR PELLON NUMBER: US 60/296,876
PRIOR PELLON NUMBER: US 60/395,059
PRIOR PELLON NUMBER: US 60/396,359
PRIOR PELLON NUMBER: US 60/396,309
PRIOR PELLON NUMBER: US 60/396,320
PRIOR PELLON NUMBER: US 60/391,24
PRIOR PELLON NUMBER: US 60/391,24
PRIOR PELLON NUMBER: US 60/391,321
PRIOR PELLON NUMBER: US 60/301,321
PRIOR PELLON NUMBER: US 60/301,401
PRIOR PELLON NUMBER: US 60/301
PRIOR PELLON NUMBER: US 60/301,401
PRIOR PELLON NUMBER: US 60/301
PRIOR PELLON NUMBER: U
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1. Trans
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! LOCATION:

! OTHER INFORMATION: oligonucleotide substrate

US-10-669-841-4136
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Dannis, Macejak
APPLICANT: Dannis, Macejak
APPLICANT: Danie, McSwiggen
APPLICANT: David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                              1519 CCCCCAACTCCGCCCA 1534
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16 cccccaacrccrccca 1
                                                                          TYPE: RNA; Hepatitis B Virus US-10-669-841-1745
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; SEQ ID NO 1745
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8665
LENGTH: 17
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Pred. No. 3e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8667, Application US/10723361 Publication No. US20040137589A1 GENERAL INFORMATION:
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93.8%; Pred
                                                                                                                                                                                                                                                                                                                                                                                 273 GAAGCCAAGAAGA 288
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                                                                                                                                                                                                                                                                                                                                                                                                                             GAAGCCAAGAAGGAGA 17
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                                                                                                                                                                                                                                                                                    Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
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Best Local Similarity 93.8
Matches 15, Conservative
                                                                                                                                                                                                               CRGANISM: Homo sapiens US-10-723-361-8665
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; ORGANISM: Homo sapiens
US-10-723-361-8667
                                                                                                                                                                                              TYPE: DNA
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| Publication No. US200401375891
| Publication No. US200401375891
| GENERAL INFORMATYON:
| APPLICANT: GU, Yizhong
| APPLICANT: HANZEL, David K.
| APPLICANT: HANZEL, David K.
| APPLICANT: RANK, David R.
| APPLICANT: GLEN, Wensheng
| FILE REFERENCE: PROJOS
| CURRENT FILING DATE: 2003-11-26
| FRIOR FILING DATE: 2000-05-26
| FRIOR FILING DATE: 2000-09-27
| FRIOR FILING DATE: 2000-09-27
| FRIOR FILING DATE: 2000-09-27
| FRIOR FILING DATE: 2001-01-30
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SOFTWARE: Acomica Sequence Listing Engine
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                                  PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR PELING DATE: 2001-01-30
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US-10-723-361-8353
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pamela
APPLICANT: Bandberg, Jennifer
APPLICANT: Sandberg, Jennifer
APPLICANT: Gardon, Giada
APPLICANT: Gardon, Giada
APPLICANT: Gardon, Giada
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACT
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND
TITLE OF INVENTION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-10-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1000-11-07
PRIOR FILING DATE: 2001-11-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-09-27

PRIOR PELICATION NUMBER: DCT/US01/00666

PRIOR PELICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 3472
LENGTH: 17
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Matches 15, Conservative
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US-10-723-361-10038
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ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-712-633-3472/c
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APPLICANT: CHRN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REPRENCE: P80105
CURRENT PAPLICATION NUMBER: US/01/22,361
CURRENT PAPLICATION NUMBER: US/01/22,26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2001-01-30
PRIOR 
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Publication No. US20040137589A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GI, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: APPLICANT: APANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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                                                                                                                                                                                                  Sequence 10037, Application US/10723361
Publication No. US20040137589A1
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                                                                                                                                                                                                                                                                                                                                       APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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Best Local Similarity 93.8
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-10037
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                                                                                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-11-016-291-4
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNDER: US/09/263,959
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); Mismatches
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REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 415
US-10-108-260A-5102
Sequence 5102, Application US/10108260A
; Publication No. US20040005560A1
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05-MAR-1999
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TELEPHONE: (206) 682-6031
TELEFAX: (206) 682-6031
TELEFAX: (206) 682-6031
SEQUENCE CHARACTERISTICS:
TENGTH: 18 base pairs
                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 93.8
Matches 15; Conservative
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 17
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CLASSIFICATION:
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| Sequence 1591, Application US/10724270
| Sequence 1591, Application US-0050000013A1
| GENERAL INFORMATION:
| APPLICANT: McSwiggen, James Aid Treatment of Diseases or Conditions Related to Level TITLE OF INVENTION: NAC-16: AREA and HIV |
| TITLE OF INVENTION: NAC-16: AREA TREAD AND HIV |
| TITLE PRINCENTION: RAS, HRR2 and HIV |
| TITLE PRINCENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| TITLE OF INVENTION: RAS, HRR2 and HIV |
| FRICH APPLICATION NUMBER: US 60/294,140 |
| PRIOR FILING DATE: 2001-06-06 |
| PRIOR FILING DATE: 2002-06-06 |
| PRIOR FILING DATE: 2002-06-09 |
| PRIOR PAPLICATION NUMBER: US 10/444,853 |
| PRIOR PILING DATE: 2003-06-39 |
| PRIOR PILING DATE: 2003-06-30 |
| PRIOR PILING DATE: 
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Sequence 4, Application US/11016291
Publication No. US20050095641A1
GENERAL INFORMATION:
APPLICANT: BURGOYNE, LEIGH A.
TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
FILE REFERENCE: 45858-56064
CURRENT APPLICATION NUMBER: US/11/016,291
PRIOR APPLICATION NUMBER: 60/336,005
PRIOR PILING DATE: 2004-11-15
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                                                              Score 14.4; DB 1; Length 17;
Pred. No. 3e+02;
0; Mismatches 1; Indels
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Best Local Similarity 93.8
Matches 15; Conservative
                                                                            Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
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US-10-724-270-1591/c
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                      US-10-712-633-3472
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Squence 359, Application US/09930423

Sequence 359, Application US/09930423

GENERAL INFORMATION:

Publication No. US20030092003A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

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APPLICANT: Ribozyme Platt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF EXQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 300
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                                                                                         Query Match 0.9%; Score 14; DB 1; I Best Local Similarity 85.7%; Pred. No. 3.2e+02; Matches 12; Conservative 2; Mismatches 0.
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Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 2; Mismatches 0;
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Pred. No. 3.2e+02;
2; Mismatches 0
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Best Local Similarity 85.7
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Homo Sapiens
US-09-930-423-359
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; ORGANISM: Homo Sapiens
US-09-930-423-9
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US-09-740-332-1541
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APPLICANT: East Carolina University
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF E
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706.301
CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT PILING DATE: 2004-01-14
PRIOR REPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTWARE: Patentin version 3.1
SEQ ID NO 884
                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized US-10-108-260A-5102
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Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Bratt, Larry
APPLICANT: Bratthon Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
FILE REFERENCE: MUMBER: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 9
LENGTH: 17
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      APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560Alel full length cDNA
FILLE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT APPLICATION NUMBER: US/10/108,260A
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 18
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100.0%; Pred. No. 2.2e+02;
ive 0; Mismatches 0; Indels
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; Sequence 884, Application US/10758451
; Publication No. US20050014711A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 14; Conservative
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ORGANISM: Homo sapiens
US-10-758-451-884
GENERAL INFORMATION:
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Sequence 1541, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: WIRBER: US/09/817,879
CURRENT APPLICATION UNDRER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1541
                                                                                                                                                                                                                                                                                                                                                               Sequence 360, Application US/09745237A

Publication No. US20030143708A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Match Jim
TITLE OF INFORMATION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REPERENCE: 400/007 (MBHB00-918-A)
FILE REPERENCE: 400/007 (MBHB00-918-A)
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE PARENTALING NAME SEQ ID NOS: 4550
SOFTWARE PARENTALING STATES
SOFTWARE PARENTALING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE PARENTALING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
LENGTH: 17
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85.7%; Pred. No. 3.2e+02;
tive 2; Mismatches 0; Indels
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                                                                                                          Query Match 0.9%; Score 14; DB 1; Length 17; Best Local Similarity 85.7%; Pred. No. 3.2e+02; Matches 12; Conservative 2; Mismatches 0; Indels
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71.4%; Pred. No. 3.2e+02;
tive 4; Mismatches 0;
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Best Local Similarity 85.7%
Matches 12; Conservative
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Best Local Similarity 71.4
Matches 10; Conservative
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CRCANISM: Homo sapiens
US-09-745-237A-360
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; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-359
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US-09-817-879-1541
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US-09-745-237A-360
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Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme bharmaceuticals Inc.
APPLICANT: Ribozyme bharmaceuticals Inc.
TITLE OF INVENTION: Braymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
FURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SQOTWARR: PatentIn version 3.0
SEQ ID NO 1541
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US-09-745-237A-359
Sequence 359, Application US/09745237A
Sequence 359, Application US/09745237A
Sequence 359, Application No. US2030143708A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: McHabod and Reagent for the Treatment of Alzheimer's Disease
TITLE OF INVENTION: McHabod-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
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US-05-745-237A-9
US-05-745-237A-9
Sequence 9, Application US/09745237A
Sequence 9, Application Wo. US20030143708A1
Sequence 9, Publication No. US20030143708A1
SEMERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: McThod and Reagent for the Treatment of Alzheimer's Disease
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
SEQ ID NO 9
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85.7%; Pred. No. 3.2e+02;
tive 2; Mismatches 0; Indels
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; OTHER INFORMATION: oligonuclectide substrate
US-09-740-332-1541
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ORGANISM: artificial sequence
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Best Local Similarity 85.73
Matches 12; Conservative
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NAME/KEY: misc_feature
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US-10-307-005-956
US-10-307-005-956
Sequence 956, Application US/10307005
Publication No. US20030236208A1
GENERAL INPORMATION:
APPLICANT: University of Delaware
APPLICANT: University of Mance
ITILE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
ITILE OF INVENTION: Using Modified Single Stranded Oligonucleotides
ITILE REPERBNCE: Napro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
PRIOR PLING DATE: 2000-06-01
PRIOR PLING DATE: 2000-06-01
PRIOR PLING DATE: 2000-06-01
PRIOR PLING DATE: 2000-03-0
PRIOR PLING DATE: 2000-03-07
PRIOR PLING DATE: 2000-03-27
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Priedman macro Napro4
SEQ ID NO 956
LENGTH: 17
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                                                                                                                                             Sequence 955, Application US/10307005

Publication No. US20030236208A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: University of Delaware

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Wichael C. Rice

APPLICANT: WINDERION Targeted Chromosomal Genomic Alterations in Plants

TITLE OF INVERTION: Targeted Chromosomal Genomic Alterations in Plants

TITLE OF INVERTION: Targeted Chromosomal Genomic Alterations in Plants

TITLE OF INVERTION: US ADIO PCT

CURRENT APPLICATION NUMBER: US/10/307,005

CURRENT APPLICATION NUMBER: US 60/208,538

PRIOR FILING DATE: 2000-06-01

PRIOR FILING DATE: 2000-08-030

PRIOR PRIOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 3.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.9%; Score 14; DB Best Local Similarity 100.0%; Pred. No. 3.2 Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , ORGANISM: Eucalyptus camaldulensis
US-10-307-005-955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) ORGANISM: Eucalyptus camaldulensis US-10-307-005-956
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                                                                                  RESULT 425
US-10-307-005-955/c
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APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTION MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FILE REPERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR APPLICATION NUMBER: PCT/USO2/09187
PRIOR PLILING DATE: 2002-03-26
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-24
PRIOR PLICATION NUMBER: US 60/337,055
PRIOR PLICATION NUMBER: US 60/337,055
PRIOR PLILING DATE: 2001-12-05
PRIOR PLILING DATE: 2001-12-05
PRIOR PLILING DATE: 2001-02-02-20
PRIOR PLILING DATE: 2002-02-20
PRIOR PLILING DATE: 2002-03-11
PRIOR PLILING DATE: 2001-03-26
PRIOR PLILING DATE: 2001-03-26
PRIOR PLILING DATE: 2001-03-26
PRIOR PLILING DATE: 2000-12-18
PRIOR PLILING DATE: 2000-12-18
PRIOR PLILING DATE: 2000-12-18
PRIOR PLILING DATE: 2000-07-07
PRIOR PLILING DATE: 2000-07-07
PRIOR PLING DATE: 2000-02-15
PRIOR PLING DATE: 2000-03-10
                                                                       Gaps
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OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
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0.9%; Score 14; DB 1; Le
100.0%; Pred. No. 3.2e+02;
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Pred. No. 3.2e+02;
4; Mismatches 0
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; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4134
                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4134, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt
                                     100.04;
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         766 TCCACGCCATGTTC 779
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Best Local Similarity 71.44
Matches 10; Conservative
                          Best Local Similarity 100.
Matches 14; Conservative
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APPLICANT: SHANNON, Mark
TITLE OF INTERNITY CHARATOR WYSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/99/666,108
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/2036,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30

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APPLICANT: RANK, David'R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MAY.
TITLE ON THE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: US 60/236,359
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Pred. No. 3.3e+02;
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   861
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Best Local Similarity 88.2
Matches 15, Conservative
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US-09-866-108-2643
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                                                                                                ## APPLICANT: 01. VIZIOLOGABBOOAL
## APPLICANT: 01. VIZIONG
## APPLICANT: PRAN, David R.
## APPLICANT: PRAN, David R.
## APPLICANT: CHRN, Weahered
## APPLICANT: CHRN, Weahered
## APPLICANT: CHRNON, MARK: 1800/0666,108
## APPLICANT: SHANON, MARK: 1800/0666,108
## APPLICANT: SAMONICA-1.
## APPLICANT: MARK: 0201-05-25
## APPLICANT: MARK: 0201-05-25
## PRIOR FILING DATE: 2000-05-26
## PRIOR PRILICANTON NUMBER: 02 60/207,456
## RROR PRILICANTON NUMBER: 02 60/206,36
## PRIOR APPLICANTON NUMBER: PCT/USO1/00666
## PRIOR APPLICANTON NUMBER: PCT/USO1/00667
## PRIOR PLILING DATE: 2001-01-30
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , Sequence 2643, Application US/09866108; Patent No. US20020048800A1
                                              Sequence 1895, Application US/09866108
Patent No. US20020048800A1
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APPLICANT: GU, Yizhong
APPLICANT: Di, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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US-09-866-108-1895
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US-09-866-108-2643/c
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Gaps

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APPLICANT: GU, Yizhong
APPLICANT: GU, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HAWEL, David K.
APPLICANT: HANK, David R.
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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Pred. No. 3.3e+02;
0; Mismatches 2;
                                                                                                                       PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-03-01
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SSOFTWARE: Acomica Sequence Listing Engine
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
                                                                                              FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00663
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Patent No. US20020048800A1
GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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ORGANISM: Homo sapiens
US-09-866-108-7485
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GENERAL INFORMATION:
APPLICANT: GU, Yazhong
APPLICANT: JI, Yazhong
APPLICANT: Hanzel, David K.
APPLICANT: GHEN, Wensheng
APPLICANT: SHANKON, Mark
TILEON TERRIT SANK, David R.
APPLICANT: SHANKON, Mark
FILE REPERBECE: ABOMICA-7
CURRENT SHANNON, Mark
FILE REPERBECE: ABOMICA-7
CURRENT PELLICATION NUMBER: US/09/866,108
CURRENT PELLING DATE: 2001-05-26
FRIOR PELLING DATE: 2000-05-26
FRIOR PELLING DATE: 2000-10-04
FRIOR PELLING DATE: 2000-10-04
FRIOR PELLING DATE: 2000-10-04
FRIOR PELLING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING PRIOR PRIOR PRIO
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Patent No. US20020048800A1
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ORGANISM: Homo sapiens
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US-09-866-108-7485/c
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Length 17; Indels

Gaps

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APPLICANT: SHANNON, MARK
ITILE OF INVENTION, MACK
ITILE OF INVENTION, MACK
ITILE OF INVENTION, MACSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-26
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00661
PRIOR PELICATION NUMBER: PCT/US01/00670
PRIOR PELICATION NUMBER: PCT/
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                         0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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Patent No. US20020048800A1
                                                                                                                                                                                                                                                                      267 CTAGAAGAAGCCAAGAA 283
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APPLICANT: GU, Yizhong
APPLICANT: UJ, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                     Query Match
Best Local Similarity 88.23
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
                   ; ORGANISM: Homo sapiens
US-09-866-108-8660
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ORGANISM: Homo sapiens
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APPLICANT: RANKE, DAVIG A.
APPLICANT: CHEN, Wensheng
APPLICANT: GIEN, Wensheng
APPLICANT: GIEN, Wensheng
APPLICANT: GIEN, WOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND WUSCLE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND WUSCLE
CURRENT FILING DATE: 2001-05-25
FRICK RAPLICATION NUMBER: US 60/207,456
PRICK FILING DATE: 2000-05-26
PRICK PILING DATE: 2000-05-26
PRICK APPLICATION NUMBER: GE 4263.6
PRICK PILING DATE: 2000-09-27
PRICK APPLICATION NUMBER: PCT/USO1/00666
PRICK APPLICATION NUMBER: PCT/USO1/00666
PRICK APPLICATION NUMBER: PCT/USO1/00666
PRICK APPLICATION NUMBER: PCT/USO1/00666
PRICK PILING DATE: 2001-01-30
PRICK PAPLICATION NUMBER: US 60/266, 860
PRICK PAPLICATION NUMBER: US 60/266, 860
PRICK RAPPLICATION UN SURFACE: US 60/2
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                                  PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8568
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Patent No. US200200488800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
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PRIOR FILING DATE: 2001-01-30
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PENN, Sharron G.
HANZEL, David K.
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; ORGANISM: Homo sapiens
US-09-866-108-8568
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US-09-866-108-8660
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HANZEL, David K
RANK, David R.
CHEN, Wensheng
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US-09-866-108-8664
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                                                                                                                 J. Sequence 865. Application US/09866108

J. Sequence 865. Application US/09866108

J. Patein No. US/202004880041

GENERAL INFORMATION:
APPLICANT: GI, Yazhong

J. APPLICANT: GI, Yazhong

APPLICANT: GI, Wannari, David K.
APPLICANT: GI, Wannari, David K.
APPLICANT: GI, Wannari, CHEN, Wannari, US/09/866,108

GURREAT APPLICANTON NOMBER: US/09/866,108

GURREAT APPLICANTON NOMBER: US/09/866,108

GURREAT PILING DATE: 2001-05-26

PRIOR FILING DATE: 2001-05-36

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICANTON NUMBER: PCT/US01/0666

PRIOR APPLICANTON NUMBER: PCT/US01/0666

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 201-01-30

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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
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Matches 15; Conservative
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ORGANISM: Homo sapiens
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US-09-866-108-8664
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APPLICANT: CHEN, MOSIN LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE TILE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE TILE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-01-04
PRIOR PILING DATE: 2000-01-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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88.2%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
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CURRENT FILING DATE: 2001-05-25
PRICR APPLICATION NUMBER: US 60/207,456
PRICR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 9687, Application US/09866108
Patent No. US20020048800A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             271 AAGAAGCCAAGAAGAAG 287
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongdang
APPLICANT: PENN. Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION INVEST: US/09/866,108
CURRENT APPLICATION NUMBER: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.8; DB 1; Length 17;
Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                     PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/26,860
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLLING DATE: 2000-05-26
PRIOR PLLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PLLING DATE: 2000-10-04
PRIOR PLLING DATE: 2000-10-27
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2011-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PLLING DATE: 2011-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PLLING DATE: 2011-01-30
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APPLICATION NUMBER: PCT/USO1/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00663
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APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
   APPLICATION NUMBER: PCT/US01/00669
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Patent No. US20020048800A1
GENERAL INFORMATION:
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88.2%;
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Best Local Similarity 88.2<sup>3</sup>
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-9688
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pacent No. US2002048800A1

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: HANZEL, David K.

APPLICANT: FRNW, David R.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

TITLE OF INVENTION: MYSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-36

PRIOR FILING DATE: 2000-03-27

PRIOR FILING DATE: 2001-01-04

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-07
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-9687
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US-09-866-108-9688/c
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Gaps

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Sequence 115, Application US/09864785
Sequence 115, Application US/09864785
Fatent No. US20020177568A1
FARENCEMENT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REPRENCES: 400/022 (MeBBO0-812-D)
CURRENT APPLICATION NUMBER: US/09/664,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 115
FIRE TERMS OF THE CONTROL OF THE C
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Sequence 117, Application US/09864785
Patent No. US2002017568A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Disper, Ken
APPLICANT: Dispe
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 3.3e+02;
Matches 14; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence:
US-09-864-785-115
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Patent No. US2002017568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            988 CCACCAACAACCCCTCC 1004
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-09-864-785-213
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Matches
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0.8%; Score 13.8; DB 1; Length 1
Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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GENERAL NO. USZUZZIZJAGANI

APPLICANT: SMITH, Lloyd M.

APPLICANT: HOOD, Lercy E.

APPLICANT: HOOD, Lercy E.

APPLICANT: HUNKAPILLER, Michael W.

APPLICANT: HUNKAPILLER, Michael W.

APPLICANT: HUNKAPILLER, Michael W.

TITLE OF INVENTION: AUTOMATED DNA SEQUENCING TECHNIQUE
FILE REFERENCE: 24313200106

CURRENT FILING DATE: 2010-02-02

PRIOR APPLICATION NUMBER: 08/484,340

PRIOR FILING DATE: 1995-06-07

PRIOR FILING DATE: 1995-06-12

PRIOR FILING DATE: 1991-02-21

PRIOR PLICATION NUMBER: 06/689,013

PRIOR FILING DATE: 1985-01-02

PRIOR FILING DATE: 1985-01-03

PRIOR FILING DATE: 1985-01-05

PRIOR FILING DATE: 1985-01-05

PRIOR FILING DATE: 1985-01-05

PRIOR FILING DATE: 1985-01-05

PRIOR FILING DATE: 1986-01-05

PRIOR FILING DATE: 1986-01-0
                                                                                    PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-31, 687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SEQ ID NO 9689
LENGTH: 17
                                             FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
APPLICATION NUMBER: PCT/US01/00661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: synthetic construct US-09-776-291A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4, Application US/09776291A
Patent No. US20020123046A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1357 AAGCGCTGCAGGAATAC 1373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            91 GGGAGAGTGGCCAGGTC 107
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-9689
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| Sequence 1519, Application US/09864785
| Sequence 1519, Application US/09864785
| Patent No. US20020177568A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Branchcomb, Dan
| APPLICANT: Draper, Ken
| APPLICANT: McSaviggen, Jim
| TITLE OF INVENTION: Levels of NF-Kappa B
| TURRENT APPLICATION NUMBER: 2001-05-23
| NUMBER OF SEQ ID NOS: 3929
| SOFTWARE: PatentIn version 3.0
| SEQ ID NO 1519
| LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 447

US-09-864-785-1520

Sequence 1520, Application US/09864785

Sequence 1520, Application US/09864785

Sequence 1520, Application US/09864785

Sequence 1520, Application US/080175681

Sexetal No. USCO0201775681

APPLICANT: Strinchcomb, Dan

APPLICANT: Braper, Ken

APPLICANT: Braper, Ken

TITLE OF INVENTION: Levels of NF-Kappa B

FILE REFERENCE: 400/022 (MBHB00-812-D)

CURRENT APPLICATION NUMBER: US/09/864,785

CURRENT RELING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3929

SOFTWARE: PatentIn version 3.0

SEQ ID NO 1520

LENGTH: 17
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                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1519
                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1502 AGGCCCCAGCCTCCAGG 1518
                                                                                                                                                                                                                                                                                                                                                                                                              1505 CCCCAGCCTCCAGGCCC 1521
  2001-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CCCCAGGCUCCAGCCCC 17
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                      NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 336
LENGTH: 17
                                                                                                                                  TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA ORGANISM: Artificial Sequence
  CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
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Sequence 215, Application US/09864785

Patent No. US2002017568A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Draper, Mon
APPLICANT: Draper, Mon
APPLICANT: MosSwiggen, Jim
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT PILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 215
LENGTH: 17
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Sequence 336, Application US/09864785
Patent No. US30020177568A1
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE SP INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
                         APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NP-Kappa B
FILE REFERENCE: 400/022 (WBHB00-812-D)
CURRENT APPLICATION WUMBER: 18/09/864,785
CURRENT PILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 3.3
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-215
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1501 CAGGCCCCAGCCTCCAG 1517
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
Stinchcomb, Dan
Draper, Ken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-864-785-336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 444
US-09-864-785-215
                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
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APPLICANT: RAIOCYME PHARMACCULICALS, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Chowrita, Bharat
APPLICANT: Habberli, Pete
TILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780, 533A
CURRENT PILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 1053
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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88.2%; Pred. No. 3.3e+02;
live 0; Mismatches 2;
                                      COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PERfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/961,077
FILLING DATE: 21-Sep-2001
CLASSIFICATION: OF CURROWN>
PRIOR APPLICATION DATA:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                             APPLICATION NUMBER: 08/679,645
FILING DATE: JULY 12, 1996
APPLICATION NUMBER: 66/001,135
FILING DATE: JULY 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE DESCRIPTION: SEQ ID NO: 687:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-780-533A-1053/c
Sequence 1053, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 687:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1213 TGGCTTCCCACACTTCT 1229
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
Best Local Similarity 88.2
Matches 15; Conservative
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US-09-780-533A-1053
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                                                                                                                                                                                                                                                                                                                              Sequence 2005, Application US/09864785

Sequence 2005, Application US/09864785

Batent No. US2002017568A1

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stanchcomb, Dan
APPLICANT: Brayer, Ken
TITLE OF INVENTION: Levels of NP-Kappa B
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 2036
LENGTH: 17
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  , OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-2036
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                                                                                      Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2; Indels
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llarity 82.4%; Pred. No. 3.3e+02;
Conservative 1; Mismatches 2; Indels
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Skokut, Thomas A.
Young, Scott A.
Pollage, Otto
Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 687, Application US/09961077
Publication No. USZ0030014775A1
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IN PLANTS
                                                                                                                                                                                    1506 CCCAGCCTCCAGGCCCC 1522
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 30071-2066
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
nes 14; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-961-077-687/c
                                                                                                                                                                                                                                                                                                                           US-09-864-785-2036
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Gaps

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APPLICANT: Nyce, Jonathan W.

IITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION

& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WI
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                           Length 17;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OMPUTER: SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                                         Query Match

0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <UNknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 3-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 3-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 3-June-1998
ATTORNEY AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: EPI-00672
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                                                                                                                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 874:
US-09-093-972C-874
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REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-093-972C-944/c
; Sequence 944, Application US/09093972C
; Publication No. US20030087845A1
; GENERAL INFORMATION:
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                        TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCGC 1546
                                                                          TELEFAX: 413-254-9245
                                                                                                   TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 874:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 413-254-9245
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                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
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STRANDEDNESS: single
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INFORMATION FOR SEQ ID NO: 944
SEQUENCE CHARACTERISTICS:
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STATE: New Jersey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
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US-05-093-972C-874/c
US-06-093-972C-874, Application US/09093972C
; Sequence 874, Application No. US20030087845A1
; Publication No. US20030087845A1
; GENERAL INPORMATION:
APPLICANATION:
TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
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                                                                                          Sequence 1885, Application US/09780533A

| Sequence 1885, Application US/09780533A
| Publication No. US20030060611A1
| GENERAL INFORMATION:
| APPLICANT: Ribosyme Pharmaceuticals, Inc.
| APPLICANT: Blatt, Larry
| APPLICANT: Blatt, Larry
| APPLICANT: Habberl, Pharat
| APPLICANT: MCSuggen, Jim
| APPLICANT: MCSuggen, Jim
| APPLICANT: WHORER: US/09/780, S33A
| CURRENT FILING DATE: 2001-02-09
| PRIOR APPLICATION NUMBER: US/09/780, S33A
| PRIOR PILING DATE: 2000-02-11
| NUMBER OF SEQ ID NOS: 6679
| SOFTWARE: Patentin Version 3.0
| SSEC ID NO 1885
| LENGTH: 17
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: AUNROWN>
PRIOR APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-196
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/472,527
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
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REGISTRATION NUMBER: 30,930
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MEDIUM TYPE: Floppy disk
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COUNTRY: USA
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APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration of Invention: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relateration or Invention: Hebbatitis C virus Infection
FILE REFERENCE: RPI 400/091
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 632
LENGTH: 17
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US-09-740-332-2161
Sequence 2161, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
FURDING TOTAL OF UNIVERSITY REPRESENCE:
TITLE OF INVENTION: Hepatitis C virus Infection
TITLE OF INVENTION: WUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2161
LENGTH: 17
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0.8%; Score 13.8; DB 1;
Best Local Similarity 52.9%; Pred. No. 3.38+02;
Matches 9; Conservative 6; Mismatches 2;
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is Sequence 3012, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
                                                                                                                                                US-09-740-332-632

Sequence 632. Application US/09740332

Publication No. US20030125270A1

; GENERAL INFORMATION:
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Publication No. US20030113891A1

GENERAL INFORMATION:
APPLICANT: Riboxyme Pharmaceuticals, Inc.
APPLICANT: Lawrence Blatt
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor C
FILE REPERENCE: WBH800-9878-C (400/017)
CURRENT APPLICATION NUMBER: US/09/827,395A
CURRENT FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-03-04
PRIOR FILING DATE: 2001-03-09
PRIOR PLICATION NUMBER: 09/780,533
PRIOR APPLICATION NUMBER: 06/181,797
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
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APPLICANT: Blatt, Lart, 
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88.2%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 3.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 944:
US-09-093-972C-944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 57, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
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15, Conservative
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; ORGANISM: Homo sapiens
US-09-827-395A-880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-57
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Best Local (
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10828394-1 1-1643.rnpb.sl

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Sequence 612, Application US/09817879
Publication No. US20030171311A1
Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Brzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 632
LENGTH: 17
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Publication No. US20030171311A1
Publication No. US20030171311A1
GENERAL INFORMATION:
TITLE OF INVENTION: Hepatitis C virus Infection
TITLE REFERENCE: MSHB00-801-F
CURRENT APPLICATION NUMBER: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 2161
LENGTH: 17
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                                                                                                                                                   0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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0.8%; Score 13.8; DB 1;
Best Local Similarity 47.1%; Pred. No. 3.3e+02;
Matches 8; Conservative 7; Mismatches 2;
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ORGANISM: artificial sequence
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Best Local Similarity 88.2
Matches 15; Conservative
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  SEQ ID NO 57
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
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US-09-817-879-2161
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US-09-817-879-632
                                                                                                      US-09-745-237A-57
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APPLICANT: Won Carlowitz, Ira
APPLICANT: Won Carlowitz, Ira
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Hamblin, Paul
APPLICANT: Bilis, Jonathan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
TITLE OF INVENTION: (GRID) Gene
FILE REFERENCE: MBHB00-901-A (400/013)
CURRENT APPLICATION NUMBER: 105/97/92,818
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 2304
SOFTWARE: Patentin version 3.0
LENGTH: 17
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT APPLICATION NUMBER: 2001.03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 3012
LENGTH: 17
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Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Match of Melbound Reagent for the Treatment of Alzheimer's Disease
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550-
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US-09-740-332-3012
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; Publication No. US20030134806A1
; GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1539 CTCCCCGCTCTGGATCC 1555
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                                                                                                                                                                                                                                       TYPE: RNA ORGANISM: artificial sequence
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Best Local Similarity 88.2<sup>1</sup>
Matches 15; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
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Best Local Similarity
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US-09-745-237A-57/c
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US-09-792-818-440/c
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tapper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Ulpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/079,625
FTI-TING DATE: 2002-FEB-19
                                                                                                                                                                                                                                                                                                                                                        07334/019002
                                         PILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAMB: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELECHONE: 617-542-5070
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PRIOR APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SER-1996
APPLICATION NUMBER: 08/638,524
FILING DATE: 26-APR-1996
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                            08/583,153
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26-APR-1996
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                          APPLICATION NUMBER: 08/5 FILING DATE: 28-DEC-1995
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INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                    Sequence 3012, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION: US20030171311A1
GENERAL INFORMATION: US20030171311A1
GENERAL INFORMATION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C virus Infection
FILE REPERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 3012
FER INVENTION NOTE: US/09/817,879
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US-10-079-625-25
US-10-079-625-25
Sequence 25, Application US/10079625
Publication No. US20020182676A1
GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
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COUNTRY: US
ZIP: O2110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALIAble
OPERATING SYSTEM: Windows95
SOFTWARE: FASLSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/79,625
FILING DATE: 20-2-FEB-19
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/584,564
FILING DATE: 26-APR-1997
FILING DATE: 26-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: oligonucleotide substrate
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689 GAGGCCTCACTTCTTCT 705
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                            1 GAUGACUCACUUCUUCU 17
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                                                                                                                        RESULT 463
US-09-817-879-3012/c
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Sequence 749, Application US/10060756A

Publication No. US20030046717A1

GENERAL INFORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REPERENCE: PB0177

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PPLICATION NUMBER: PCT/US01/00663

PRIOR PLING DATE: 2001-01-30

PRIOR PPLING DATE: 2001-01-30

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PRIOR PPLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PPLING DATE: 2001-01-30
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Publication No. US20030046717A1

GENERAL INFORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

FILE REPRENCE: PBD177

CURRENT APPLICATION NUMBER: US/10/066, 756A

CURRENT FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
                                          Indels
88.2%; Pred. No. 3.3e+02;
ttive 0; Mismatches 2;
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                                                                                                                        521 CATCGACTCCCTGCTGG
Best Local Similarity 88.23
Matches 15; Conservative
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Matches 15; Conservative
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Publication No. US20030046717A1

GENERAL INPORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

FILE REPERENCE: PB0177

CURRENT FILING DATE: 2002-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

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PRIOR PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                              APPLICATION NUMBER: 08/593,153

FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/593,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/ASTATION NUMBER: 37-NOV-1995
ATTORNEY/ASTATION NUMBER: 37-NOV-1995
ATTORNEY/ASTATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              660 CACTACCTGCCTTCAG 676
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| INFORMATION FOR SEQ ID NO: 2
| SEQUENCE CHARACTERISTICS:
| LENGTH: 17 base pairs
| TYPE: nucleic acid
| STRANDEDNESS: single
| MOLECULE TYPE: DNA
| US-10-079-625-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15; Conservative
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US-10-060-756A-748
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US-10-060-756A-748
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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Sequence 5948, Application US/10156306
| Publication No. US20030119017A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: MCSWiggen, James
| TITLE OF INVENTION: Levels of IKK-Gamma and PKR
| TITLE OF INVENTION: Levels of IKK-Gamma and PKR
| FILE REFERENCE: MEHBOJ-664-A (400/050)
| CURRENT APPLICATION NUMBER: US/10/156,306
| NUMBER OF SEQ ID NOS: 8013
| SOFTWARE: PatentIn version 3.0
| SOFTWARE: PatentIn version 3.0
| TENGRAL OF SEQ ID NOS: 8013
| TENGRAL OF SEQ ID NOS: 8013
| TENGRAL OF SEQ ID NOS: 8013
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CURRENT APPLICATION NUMBER: 08/10/430,882

CURRENT FILING DATE: 2001-05-06

PRIOR PILING DATE: 2001-06-05

PRIOR APPLICATION NUMBER: 09/780,533

PRIOR APPLICATION NUMBER: 09/780,533

PRIOR PILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-09

PRIOR PILING DATE: 2000-02-11

PRIOR APPLICATION NUMBER: PCT/US02/10512

PRIOR APPLICATION NUMBER: PCT/US02/10512
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.8; DB 1; Length 17; 52.9%; Pred. No. 3.3e+02; tive 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Lawrence Blatt appLICANT: James McSwiggen APPLICANT: Bharat Chowrira APPLICANT: Peter Haeberli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 880, Application US/10430882; Publication No. US20030203870A1; GENERAL INFORMATION:
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                                         697 ACTICITICITICCOAAG 713
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Best Local Similarity 70.69
Matches 12, Conservative
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Best Local Similarity 52.9
Matches 9; Conservative
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CORGANISM: Homo sapiens
US-10-430-882-880
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; ORGANISM: Homo sapiens
US-10-156-306-5948
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Sequence 5069, Application US/10156306

Bublication No. US20030119017A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
CURRENT APPLICATION NUMBER: 105/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5069
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 469
US-10-156-306-2719/C
US-10-156-306-2719/C
Sequence 2719, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
CURRENT PPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2719
LENGTH: 17
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR PELICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1238
LENGTH: 17
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 58.8
Matches 10; Conservative
                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
US-10-156-306-2719
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; ORGANISM: Homo sapiens
US-10-156-306-5069
                                                                                                                                                                                                                                                                                            US-10-060-756A-1238
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US-10-156-306-5069
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APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stochedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARES PatentIn version 3.0
SEQ ID NO 3543
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Moswiggen, Jim
APPLICANT: Moswiggen, Jim
APPLICANT: Secobedo, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Method and Reagent for the Treatment of Ector Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
NUMBER OF SEQ ID NOS: 2082-2
SOFTWARE: Patentin version 3.0
SEQ ID NO 4182
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Sequence 564, Application US/10712672

Sequence 564, Application US. US20040102413A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Richoryme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: McHod and Reagent for the Inhibition of Telomerase Enzyme

FILE REPERENCE: MBHB00-882-C (400/019)

CURRENT FILING DATE: 2003-11-13

PRIOR FILING DATE: 2000-08-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.8; DB 1; Length 1
Pred. No. 3.3e+02;
4; Mismatches 2; Indels
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US-10-287-949A-4182
; Sequence 4182, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1115 CTCCTTGCTGGAGCAGC 1131
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%;
Best Local Similarity 64.7%;
Matches 11; Conservative
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Pavco, Pam
McSwiggen, Jim
Stinchcomb, Dan
Escobedo, Jaime
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Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
CORGANISM: Mus musculus
US-10-287-949A-3543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-712-672-564/c
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                                    APPLICANT:
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Publication No. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

TITLE OF INVENITION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENITION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENITION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENITION NUMBER US/10/138,674

CURRENT FILING DATE: 2002-05-03

NUMBER OF SEQ ID NOS: 20822

SOFTWARE: PatentIn version 3.0

SEQ ID NO 4182

LENGTH: 17
                                                                                                                                  Sequence 3543.7 Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Barco, Pam

APPLICANT: Binchcomb, Dan

APPLICANT: Binchcomb, Dan

APPLICANT: Binchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE REFERENCE: MBHB00-876-N (400/049)

CURRENT APPLICATION NUMBER: US/10/138,674

CURRENT FILING DATE: 2002-05-03

NUMBER OF SEQ ID NOS: 20822

SEQ ID NOS: 20822

SEQ ID NOS: 20822

SEQ ID NOS: 20822
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 64.7%; Pred. No. 3.3e+02; Matches 11; Conservative 4; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 3543, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1115 CTCCTTGCTGGAGCAGC 1131
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            1 CCCUCCUGGAGCAGCUG 17
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US-10-138-674-4182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 12; Conserva
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US-10-287-949A-3543
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US-10-138-674-4182
                                                                                                                            US-10-138-674-3543
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APPLICANT: Pamela, Pavco
APPLICANT: Partice, Lee
APPLICANT: Partice, Lee
APPLICANT: Partice, Lee
APPLICANT: Eliaabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION WHERE: US/10/669,841
CURRENT APPLICATION NUMBER: DCT/US02/09187
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
                                    CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT FILING DATE: 2003-09-23

PRIOR APPLICATION NUMBER: PCT/US02/09187

PRIOR FILING DATE: 2001-06-08

PRIOR FILING DATE: 2001-06-08

PRIOR PILING DATE: 2001-06-08

PRIOR PILING DATE: 2001-10-24

PRIOR PILING DATE: 2001-10-24

PRIOR PELICATION NUMBER: US 60/337,055

PRIOR PELICATION NUMBER: US 60/363,124

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2001-03-26

PRIOR PILING DATE: 2001-03-26

PRIOR PILING DATE: 2001-03-26

PRIOR PILING DATE: 2000-01-18

PRIOR PILING DATE: 2000-01-2-18

PRIOR PILING DATE: 2000-02-15

PRIOR PILING DATE: 2000-02-15
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 3.3e+02;
Matches 8; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: oligonucleotide substrate US-10-669-841-3225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4754, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1400 TGTGGATGTTGCTTTTG 1416
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
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APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-712-672-1193
US-10-712-672-1193
Sequence 1193, Application US/10712672
Sequence 1193, Application No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrita. Bharat
APPLICANT: Chowrita. Subject (400/019)
CURRENT APPLICATION NUMBER: (05/197, 769
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: (06/197, 769
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 3.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Lawrence, Blatt
APPLICANT: James McSwiggen
APPLICANT: David, Morrissey
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR PLLING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: Patentin version 3.0
SEQ ID NO 564
LENGTH: 17
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Best Local Similarity 70.6
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                           TYPE: RNA
CORGANISM: Homo sapiens
US-10-712-672-564
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CORGANISM: Homo sapiens
US-10-712-672-1193
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APPLICANT:
APPLICANT:
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Sequence 1895, Application US/10723361

Sequence 1895, Application US/10723361

Sequence 1895, Application US/10723361

Sublication No. US20040137889A1

GENERAL INFORMATION:

APPLICANT: GU, Yi Zhong

APPLICANT: HANZEL, David R.

CURRENT FILING DATE: 2001-11-26

PRIOR FILING DATE: 2000-09-27

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-
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ORGANISM: Artificial Sequence
ORGANISM:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
FRATURE:
NAME/KEY: misc_feature
LOCATION:
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SSETWARE: Patentin version 3.0
SEQ ID NO 5605
LENGTH: 17
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 1895
LENGTH: 17
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Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: oligonucleotide substrate US-10-669-841-5605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        769 ACGCCATGTTCCAGCCC 785
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; ORGANISM: Homo sapiens
US-10-723-361-1895
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APPLICANT: Eliabeth, Roberts

TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA

TITLE OF INVENTION: VIRUS REPLICATION

CURRENT APPLICATION NUMBER: US, 10, 10, 66, 9, 81, 81, 08

CURRENT FILING DATE: 2002-03-26

PRIOR APPLICATION NUMBER: US 60/296, 876

PRIOR APPLICATION NUMBER: US 60/335, 059

PRIOR PILING DATE: 2001-10-24

PRIOR PILING DATE: 2001-12-05

PRIOR PILING DATE: 2001-12-05

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2001-03-26

PRIOR PLING DATE: 2001-03-26
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                       PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-124
PRIOR PILING DATE: 2002-03-124
PRIOR PILING DATE: 2002-03-124
PRIOR PILING DATE: 2002-03-124
PRIOR FILING DATE: 2000-03-26
PRIOR PILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR PILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-07-07
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PRIOR PILING DATE: 2000-07-07
PRIOR FILING DATE: 2000-03-15
PRIOR FILING DATE: 2000-03-16
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i LOCATION:
i OTHER INDRWATION: oligonucleotide substrate
US-10-669-841-4754
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APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavco
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Kenneth, Draper
APPLICANT: Risabeth, Roberts
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GAUGACUCACUUCUUCU 17
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FILING DATE: 2001-12-05
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Best Local Similarity 52.95
Matches 9; Conservative
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SHANNON, Mark
FENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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Publication No. US20040137589A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: HONG APPLICANT: GU, Yonggang
APPLICANT: FENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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                 TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTL: STATULUM: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTL: TITLE REFERENCE: P80105
CURRENT PELLING DATE: 2003-11-26
PRIOR PAPLICATION NUMBER: US 09/866,108
PRIOR PLING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2001-01-03
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRIOR DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRIOR DATE: 2001-01-30
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PRIOR PRIOR PRIOR DATE: 2001-01-30
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88.2%; Pred. No. 3.3e+02;
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-27
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
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PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
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Best Local Similarity 88.2.
Best Local Similarity 88.2.
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ORGANISM: Homo sapiens
US-10-723-361-7355
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US-10-723-361-7485/c
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
88.2%; Pred. No. 3.3e+02;
tive 0: Mismatches 2; Indels
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Publication No. US20040137589A1
ENDIGERIA INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: HI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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                             15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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CRGANISM: Homo sapiens
US-10-723-361-2643
       Best Local Similarity
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US-10-723-361-2643/c
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US-10-723-361-7355
                                Matches
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10828394-1 1-1643.rnpb.sl

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APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: DI, Yonggang
APPLICANT: PENN, Sharton G.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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              292 AGGATGCCCTAAATGAG 308
                                                          1 AGGATGACCTGAATGAG 17
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Matches 15; Conservative
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CORGANISM: Homo sapiens
US-10-723-361-8660
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US-10-723-361-8661
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Sequence 8568, Application US/10723361
Sequence 8568, Application US/10723361
Sequence 8568, Application US/10723361
Septication No. US2004013789A1
Septication No. USA0704
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeemica Sequence Listing Engine
LENGTH: 17
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88.2%; Pred. No. 3.3e+02;
cive 0; Mismatches 2; Indels
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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Matches 15, Conservative
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Best Local Similarity 88.2
Matches 15, Conservative
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CORGANISM: Homo sapiens
US-10-723-361-7485
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ORGANISM: Homo sapiens
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US-10-723-361-8568
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Sequence 8664, Application US/10723361
Sequence 8664, Application US/10723361
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Wark
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8663

    See File Wrapper or PALM.

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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
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PRIOR PILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-25
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 15755
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-8663
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CORGANISM: Homo sapiens
US-10-723-361-8664
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APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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                                                                                                             PRIOR APPLICATION UNMER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/0668
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88.2%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PRILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/203,6
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PRIOR PLING DATE: 2001-01-30
      CURRENT APPLICATION NUMBER: US/10/723,361
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FILING DATE: 2001-01-30
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Publication No. US20040137589A1
GENERAL INFORMATION:
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Best Local Similarity 88.2
Matches 15; Conservative
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ORGANISM: Homo sapiens
US-10-723-361-8661
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Sequence 9689, Application US/10723361

Publication No. US2040137589A1

GENERAL INFORMATION:
APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: BANK, David R.
APPLICANT: CHEN, Wensheng

APPLICANT: GL, Wensheng

APPLICANT: BANK, David R.
APPLICANTON HOWBER: US/10/23,361

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-30

PRIOR PILING DATE: 2000-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-010-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00668
FILING DATE: 2001-01-30
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US-10-723-361-9688
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APPLICANT: SUN YIAhong

APPLICANT: BINY, Sharon G.

APPLICANT: PRN, Sharon G.

APPLICANT: FRN, David R.

APPLICANT: PRN, David R.

APPLICANT: SHANKON, Mark

TITLE OF INVENTION: HUWAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN

FILE REPERBNCE: PB01.05

CURRENT APPLICANT: ON NUMBER: US/10/723,361

CURRENT APPLICANTION NUMBER: US/09/666,108

PRIOR APPLICATION NUMBER: US/09/666,108

PRIOR APPLICATION NUMBER: US/09/066,108

PRIOR APPLICATION NUMBER: US/07/05/05/066,108

PRIOR APPLICATION NUMBER: US/07/05/0666

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PLING DATE: 2001-01-30

PRIOR PLIN
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANNOW, Mark
ITTLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
                                                                                                                                                                                                                        Sequence 9687, Application US/10723361
Publication No. US20040137589A1
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; ORGANISM: Homo sapiens
US-10-723-361-9687
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Best Local Similarity
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TITLE OF INVENTION: HUWAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/890,776A
CURRENT FILING DATE: 2004-07-14
PRIOR APPLICATION NUMBER: US/10/663
PRIOR FILING DATE: 2002-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PLING DATE: 2001-01-30
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Publication No. US20050129683A1
CENERAL INFORMATION:
APPLICANT: Zhang, Jian
ITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
                                                                                                                                                                                                                                                                                                                                                            Query Match

0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 3.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Pred. No. 3.3e+02;
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   PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR PELING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4809
SOFFWARE: Acomica Sequence Listing Engine
SEQ ID NO 748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/10890776A lo. US20050129683A1
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Homo sapiens
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US-10-890-776A-749
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APPLICANT: East Carolina University
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF D
TITLE OF INVENTION: INFLAMMATION
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706,301
CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT APPLICATION NUMBER: 09/093,972
PRIOR APPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTWARE: Patentin version 3.1
SEQ ID NO 944
LENGTH: 17
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Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 15755 SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 9689
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Publication No. US20050129683A1

GENERAL INFORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

FILE REPRENCE: PBD177

CURRENT APPLICATION NUMBER: US/10/890,776A

CURRENT APPLICATION NUMBER: US/10/60,756

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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; Sequence 944, Application US/10758451
; Publication No. US20050014711A1
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US-10-723-361-9689
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; ORGANISM: Homo sapiens
US-10-758-451-944
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Search completed: September 13, 2005, 10:47:07 Job time : 12 secs

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| GenCore version 5.1.6<br>(c) 1993 - 2005 Compugen Ltd.                      | using sw model                               | 2005, 10:39:51 ; Search time 5 Seconds (without alignments) 3.649 Million cell updates | gaccgagtaaaactgtcttgtgagctg  | Gapext 0.5  | residues  | g chosen parameters: 596                       |  | 0%<br>100%<br>298 summaries                                       |   | results predicted by chance to have to the score of the result being p                    | SUMMARIES                                  | ID Descripti   | A21575 ACCESSION ACCESSION                                     | AR197662 ACCESSION AR259816 ACCESSION      | AR197663 ACCESSION ACCESSION               | CQ786169 ACCESSION<br>CQ786172 ACCESSION<br>CQ786172 ACCESSION    | CQ786178 ACCESSION AR208706                | AR038687 ACCESSION CQ786113 ACCESSION      | CQ786114 ACCESSION                         | CQ786115 ACCESSION<br>CQ786117 ACCESSION                          | CQ786110 ACCESSION           | CQ786171 ACCESSION<br>CQ786173 ACCESSION<br>CQ786174 ACCESSION    | CQ786176 ACCESSION<br>CQ786177 ACCESSION   | CQ78614 ACCESSION CO78615 ACCESSION        | CQ786616 ACCESSION CQ786617                | CQ786618 ACCESSION:<br>CQ786619 ACCESSION:<br>CQ786620 ACCESSION: | CQ786621 ACCESSION           |   |              |
| Gen<br>Copyright (c)  | OM nucleic - nucleic search, usi             | Run on: September 13, 2  | on: September 13,  | on: September 13,   | Title: Perfect score: 1643 Sequence: 1 gaattccgccgctgaccgag             | Scoring table: IDENTITY_NUC<br>Gapop 10.0 , Ga | Searched: 298 segs, 5552                   | Total number of hits satisfying                                   | Minimum DB seq length: 8<br>Maximum DB seq length: 50 | Post-processing: Minimum Match<br>Maximum Match<br>Listing first                          | Database : rgedb:*                         | Pred. No. is the number of a score greater than or equal and is derived by analysis of |  | * Result Query No. Score Match Length DB   | 27.2 1.7 32<br>26 1.6 26                   | 3 26 1.6 26   | 25 1.5 25<br>25 1.5 25<br>25 1.5 25        | 23 1.4 23 23 2.4 23                        | 23 1.4 23<br>23 1.4 23                     | 13 21 1.3 21<br>14 21 1.3 21                                      | 15 21 1.3 21<br>16 21 1.3 21 | 21 . 1.3 21   | 20 21 1.3 21                               | 21 1.3 21<br>21 1.3 21<br>21 1.3 21        | 24 21 1.3 21<br>25 21 1.3 21               | 26 21 1.3 21<br>27 21 1.3 21                                      | 28 21 1.3 21<br>29 21 1.3 21 | c 30 21 1.3 21 1 c 31 21 1 21 1.3 21 1 c 32 21 1.3 21 1 | 33 21 1.3 21 |

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| ACCESSION: AR466360 ACCESSION: ARA66361 ACCESSION: AX689718 ACCESSION: AX689718 ACCESSION: AX689718 ACCESSION: AX732888 ACCESSION: AX7324817 ACCESSION: AX7324817 ACCESSION: AX7324817 ACCESSION: AX7324817 ACCESSION: AX7324818 ACCESSION: AX734818 ACCESSION: AX734818 ACCESSION: AR091753 ACCESSION: AR091983 ACCESSION: AR167987 ACCESSION: AR167987 ACCESSION: AR167987 ACCESSION: AR167987 ACCESSION: CQ621920 ACCESSION: CQ621921 ACCESSION: CQ621921 ACCESSION: CQ621921 ACCESSION: CQ621921 ACCESSION: CQ6219318 ACCESSION: CQ621949 ACCESSION: AR192271 ACCESSION: AR192271 ACCESSION: AR192271 ACCESSION: AR196222 ACCESSION: AR196222 ACCESSION: AR196221 ACCESSION: AR196218 ACCESSION: AR196318 ACCESSION: AR261983 ACCESSION: AR261983 ACCESSION: AR261983 ACCESSION: AR4649887 ACCESSION: AR4649887 ACCESSION: AR4649887 ACCESSION: AR4649887 ACCESSION: AR4649887 ACCESSION: AR466011  | ACCESSION: AX272871 ACCESSION: AX42246 ACCESSION: AX475240 ACCESSION: AX475287 ACCESSION: AX475289 ACCESSION: AX475289 ACCESSION: AX475291 ACCESSION: AX475291 ACCESSION: AX475293 ACCESSION: AX475293 ACCESSION: AX475293 ACCESSION: AX475293 ACCESSION: AX499931 ACCESSION: AX499931                    |
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| 0; Gaps 0;   | PAT 07-SEP-2000  | 0; Gaps 0;  | PAT 20-APR-2002   | 0; Gaps 0;   | PAT 20-DEC-2002  |
|--|--|---|---|--|--|
| Best Local Similarity 90.6%; Pred. No. 8.1; Matches 29; Conservative 0; Mismatches 3; Indels Qy 129 GACAATGAGCTCCAGGAAATGTCCAATCAGGG 160 Db 1 GACAATGAGCTGCAGGAGATGTCCCAACCAGGG 32   | RESULT 2 AR090627 LOCUS DEFINITION Sequence 747 from patent US 5994076. AR090627 VERSION REYWORDS SOURCE ORGANISM Unknown. ORGANISM Unknown. ORGANISM Unknown. TITLE AUTHORS Chenchik, A., Jokhadze, G. and Bibilashvilli, R. TITLE TITLE TITLE FEATURES LOCATION CLOCATION CLOCATION JOURNAL FEATURES LOCATION JOURNAL JOURNA | /or /mo<br>ch<br>1 Similarity<br>26; Conserv<br>34 TGCGGATGAA<br>1  | AR197662 N Sequence 747 from patent US 6152829, AR197662 AR197662.1 GI:20247511 Unknown. W Unclassified. 1 (bases 1 to 26)  | AUTHORS Chenchik, A., Jokhadze, G. and Bibilashvilli, R.  TITLE Methods of assaying differential expression JOURNAL Patent: US 6352829-A 747 05-MAR-2002; FEATURES 168 5.2829-B. A. A47 05-MAR-2002; A62 168 1. Length 26; Best Local Similarity 100.0%; Pred. No. 6.5; Matches 26; Conservative 0; Mismatches 0; Indels  QY 934 TGCGGATGAAGGACCAGTGTGACAAG 959  | RESULT 4 AR259816 LOCUS LOCUS DEPINITION Sequence 747 from patent US 6489455. ACCESSION AR259816 ACCESSION AR259816.1 GI:27310327 KERYWORDS SOURCE UNKNOWN.  |
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| .8 17 8 17 8 17 8 17 8 17 8 17 . |  |   |   | ALIGNMENTS A21575 32 bp DNA coligonuclectide. A21575.1 GI:583580 synthetic construct synthetic construct c | CYTOLYSIS INHIBITOR PROTEINS (CLI) AND DISAID PROTEINS Patent: WO 9105043-A 1 18-APR-1991; L. 32 /organism="synthetic construct"/mol_type="unassigned DNA"/db_xref="taxon:32630" h 1.7%; Score 27.2; DB 1; |
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Unclassified.
E I (bases I to 25)
S Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
AL Patent: US 5994076-A 748 30-NOV-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chenchik, A., Jokhadze, G. and Bibilashvilli, R. Methods of assaying differential expression Patent: US 6352829-A 748 05-MAR-2002, Location/Qualifiers
Unclassified.

1 (bases 1 to 26)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R. Methods of assaying differential expression Patent: US 6489455-A 747 03-DEC-2002;
Location/Qualifiers
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100.0%; Pred. No. 8.2;
ive 0; Mismatches
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Seguence 748 from patent US 5994076.
AR090628
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1.6%; Score 26; DB
Best Local Similarity 100.0%; Pred. No. 6.5
Matches 26; Conservative 0; Mismatches
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AR197663/c
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AR090628/c
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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PAT 20-DEC-2002
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                 (Joses 1 to 25)
Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 6489455-A 748 03-DEC-2002;
Location/Qualifiers
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8.2;
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Sequence 60 from Patent W02004018676.
CQ786172 GI:45721275
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Sequence 57 from Patent WO2004018676.
CQ786169.1 GI:45721272
Sequence 748 from patent US 6489455.
AR259817
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .25
    /organism="unknown"
    /mol_type="genomic DNA"

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Miller,W.L., Lin,D. and Strauss,J.F. III.
Identification of gene mutations associated with congenital lipoid adrenal hyperplast advansal hyperplast 21 15-SEP-1998;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 5 07-MAY-2002;
Location/Qualifiers
                                                          Score 23; DB 1;
Pred. No. 13;
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                                                        Query Match 1.4%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 13; Matches 23; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 5 from patent US 6383808.
AR208706
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AR208706/c
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AR038687
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                    Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 200401867-6. 60 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 2004018676-A, 63 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 200401867-6.4 66 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 63 from Patent WO2004018676.

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/mol_type="unassigned DNA"
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    .23
    /organism="Homo sapiens"

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CQ786175.1 GI:45721278
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DEFINITION

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RESULT 11 CQ786178

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Patent: WO 2004018676-A 4 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
Rnai probes targeting cancer-related proteins Patent: WO 2004018676-A 3 04-MAR-2004; The University of British Columbia (CA) Location/Qualifiers
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|mol type="unassigned DNN"
| bx zef="taxon:32630"
| nore="RNA; for human clusterin"
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/mol_type="unassigned DNA"
/db xref="taxon:32630"
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Sequence 5 from Patent WO2004018676.
CQ786117. GI:45721220
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Sequence 4 from Patent WO2004018676.
CQ786116
CQ786116.1 GI:45721219
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CQ786116/c
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Gonos, E.
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Patent: WO 2004018676-A 2 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Parain: WO 2004018676-A 1 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/noTe="RNA; for human clusterin"
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches
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other sequences; artificial sequences.
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Sequence 3 from Patent WO2004018676.
CQ786115.1 GI:45721218
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CQ786114/c
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CQ786115
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PAT 24-MAR-2004
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 59 04-WAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 200401867-6-A 61 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/note="RNA! for human clusterin"
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                                  CQ786171 21 bp DNA Sequence 59 from Patent WO2004018676.
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synthetic construct
other sequences; artificial sequences.
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Sequence 62 from Patent W02004018676.
CQ786174 GI:45721277
                                                                                                                                                         other sequences; artificial sequences.
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CQ786171.1 GI:45721274
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RESULT 21
CQ786171/c
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CQ786174/c
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Patent: WO 2004018676-A 6 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Parent: WO 2004018676-A 58 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 58 from Patent WO2004018676.
CQ786170
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Seguence 6 from Patent WO2004018676.
CQ786118
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Indels

Length 21;

PAT 24-MAR-2004

linear

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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Treatment of melanoma by reduction in clusterin levels

Patent: WO 2004018675-A 4 04-MAR-2004;

Patent: WO 2004018675-A Columbia (CA); Gleave, Martin E. (CA)

Location/Qualifiers
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100.0%; Pred. No. 20;
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0
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Sequence 4 from Patent WO2004018675.
CQ786615
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Sequence 3 from Patent WO2004018675.
CQ786614
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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Rhai probes targeting cancer-related proteins
Rhai probes targeting cancer-related proteins
The University of British Columbia (CA)
Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 64 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                         Consols. B. Rnai probes targeting cancer-related proteins Rnai probes targeting cancer-related proteins Patent: WO 2004018676-A 62 04-MAR-2004; The University of British Columbia (CA)
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/note="RNAi for human clusterin"
                                                                                                                                                                  1. .21
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/db xref="taxon:32650"
/note="RNAi for human clusterin"
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tive 0; Mismatches
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Sequence 64 from Patent WO2004018676.
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other sequences; artificial sequences.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 9 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin B. (CA)
                                                                                            Jansen, B.

Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 7 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Sequence 8 from Patent WO2004018675.
CQ786619
CQ786619.1 GI:45721639
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Seguence 9 from Patent WO2004018675.
CQ786620
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/db_xref="taxon:9606"

    .21
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 6 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualiflers
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Patent: Wo 2004018675-A S 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Sequence 5 from Patent WO2004018675.
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Sequence 7 from Patent W02004018675.
CQ786618.1 GI:45721638
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21 AATCAGAGACAAAGCTGAAGG 1
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RESULT 29 CQ786617/c LOCUS

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CQ786631.1 GI:45721651
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CQ786623/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 11 from Patent WO2004018675.
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CQ786621.1 GI:45721641
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    21 bp DNA Sequence 12 from Patent WO2004018675.
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PAT 24-MAR-2004

REFERENCE AUTHORS TITLE JOURNAL

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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 36 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
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The University of British Columbia (CA); Gleave, Martin E.
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/note="RNAi for human clusterin"
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Sequence 36 from Patent WO2004018675.
CQ786647
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The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018675-A 21 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
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DEFINITION ACCESSION VERSION

RESULT 38 CQ786633

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Best Local Similarity 100.
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   Jansen, B.
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/noEe="RNAi for human clusterin"
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                                 CQ786648 21 bp DNA Sequence 37 from Patent WO2004018675. CQ786648
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Sequence 39 from Patent WO2004018675.
CQ786650 GI:45721670
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 39 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 40 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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ilarity 100.0%; Pred. No. 20;
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/organism="synthetic construct"
/mol type="unassigned DNA"
/hdb xref="taxon:32630"
/note="RNAi for human clusterin"
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| organism="synthetic construct"
| mol type="unassigned DNA"
| xref="taxon:32630" |
| note="RNA! for human clusterin"
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/mol_type="unassigned DNA"
/do xref="taxon:32630"
/noTe="RNAi for human clusterin"
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Sequence 41 from Patent WO2004018675.
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21 AAGTCCCGCATCGTCCGCAGC 1
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and
McCarthy, J.J.
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Patent: US 6727063-A 2421 27-APR-2004;
Location/Qualifiers
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Sequence 2421 from patent US 6727063.
AR531218 GI:53919655
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    .24
    /organis="Canis familiaris"
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/organism="unknown"
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Millis,A.J.T.
Compositions and methods for altering cell migration
Patent: 18 6464975-A 14 15-0CT-2002;
Location/Qualifiers
   1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 20; tive 0; Mismatches 0; Indels
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ative 0; Mismatches 0; Indels
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M Unknown.
Unclassified.

E 1 (bases 1 to 21)

KS Monia, Br. and Freier, S.M.

Antisense inhibition of clusterin expression

ALL Patent: US 6383808-A 6 07-MAY-2002;

Location/Qualifiers
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Sequence 14 from patent US 6464975.
AR236282.
AR236282.1 GI:27280110
                                                                                                                                     Sequence 6 from patent US 6383808.
AR208707
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                                                   1613 AACTAATTCAATAAAACTGTC 1633
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                                                                   21 AACTAATTCAATAAAACTGTC 1
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Best Local Similarity 100.4
Matches 21; Conservative
              Best Local Similarity 100.
Matches 21; Conservative
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PAT 30-MAR-2001

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2421 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
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Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2422 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium Pharmaceuticals, Inc. (US)
Location/Qualifiers
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1 Similarity 95.2%; Pred. No. 23;
20; Conservative 1; Mismatches
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Sequence 2421 from Patent WO0118250.
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Unclassified.
Unclassified.
1 (bases 1 to 21)
Lander,E.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and Lander,E.S., Cargill,M., Ireland,J.S., Single nucleotide polymorphisms in genes Patent: US 6727063-A 2424 27-APR-2004;
Location/Qualifiers
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1 (bases 1 to 21)
Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2423 27-APR-2004;
Location/Qualifiers
Unknown.
Unclassified.
Unclassified.
1 (bases i to 21)
Lander,S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and
Lander,S.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and
McCarthy,J.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2422 27-APR-2004;
Location/Qualifiers
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1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches 0; Indels
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Sequence 2424 from patent US 6727063.
AR531221.1 GI:53919658
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PAT 20-JUN-2002
                                                                      Microarrays allowing molecular profiling of rheumatoid arthritis comparatively to osteoarthritis andtheir use Patent: WO 2004035827-A 5 29-APR-2004; INSERM, The French Institute of Health and Medical Resear ch (FR); L'ENERGIE PUBLIQUE - HOPITAUX DE PARIS (FR); COMMISSARIAT A L'ENERGIE ATOMIQUE (FR)
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Microarrays allowing molecular profiling of rheumatoid arthritis
comparatively to osteoarthritis andtheir use
batent: WO 2004035827-A 6 29-APR-2004,
INSERM, The French Institute of Health and Medical Resear ch (FR);
ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS (FR); COMMISSARIAT A
L'ENERGIA TOMMIQUE (FR)
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Sequence 6 from Patent WO2004035827.
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Sequence 14 from patent US 6383808.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2423 15-MAR-2001;
WHITHERAD INSTITUTE FOR EIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Mccarthy,J.J.
Mccarthy,J.J.
Mcgriffy,J. and Genes
Fatent: WO 0118250-A 2424 15-WAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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            21 bp Di
Sequence 2423 from Patent WO0118250.
AX097245
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Sequence 5 from Patent WO2004035827.
CQ803453
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Sequence 2424 from Patent WO0118250.
AX097246
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95.2%; Pred. No. 23;
ative 1; Mismatches

    .21
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 95.2%;
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Best Local Similarity 95.23,
....hes 20, Conservative
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AX097246 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 57

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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 58

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1 (bases 1 to 20)
S Montia.B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
AL Patent: US 6383808-A 17 07-MAY-2002;
Location/Qualifiers
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Unclassified.
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S honia, Br. and Freier, S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of clusterin expression
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
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                               AR208718 20 bp 1
Sequence 17 from patent US 6383808.
AR208718 1 GI:21509946
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Sequence 18 from patent US 6383808.
AR208719
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/organism="unknown"
/mol_type="unassigned DNA"
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AR208718/c
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AR208719/c
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E 1 (bases 1 to 20)

S Monia,B-D, and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of clusterin expression
Location/Qualifiers

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M Unknown.
Unclasified.
B 1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of clusterin expression
Location/Qualifiers
Location/Qualifiers
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 14 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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/mol_type="unassigned DNA"
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Sequence 16 from patent US 6383808.
AR208717.1 GI:21509945
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AR208716/c
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Unclassified.
1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 23 07-MAY-2002;
Locaion/Qualifiers
                                     Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Artisense inhibition of clusterin expression
Patent: US 6383808-A 22 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 24 07-MAY-2002;
Location/Qualifiers
                                                                                                                                  1. .20
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/mol_type="unassigned DNA"
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Sequence 23 from patent US 6383808.
AR208724 GI:21509954
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 24 from patent US 6383808.
AR208725 GI:21509955
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AR208724/c
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AR208725/c
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Batent: US 6383808-A 20 07-MAY-2002;
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 21 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Sequence 22 from patent US 6383808.
AR208723.1 GI:21509952
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Sequence 20 from patent US 6383808.
AR208721. GI:21509950
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/organism="unknown"
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/organism="unknown"
/mol_type="unassigned DNA"
/mol_type="unassigned DNA"
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Sequence 21 from patent US 6383808.
AR208722. GI:21509951
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                                                                                        122 GGTCTCAGACAATGAGCTCC 141
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                                                                                                         20 GGTCTCAGACAATGAGCTCC 1
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AR208721/c
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 27 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 28 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of Clusterin expression
Patent: US 6383808-A 29 07-MAY-2002;
Location/Qualifiers
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tive 0; Mismatches
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Sequence 29 from patent US 6383808.
AR208730. GI:21509961
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
                                                          /organism="unknown"
/mol_type="unassigned DNA"
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AR208729
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Best Local Similarity 100.
Matches 20; Conservative
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E 1 (bases 1 to 20)

S Monia,B-D. and Freier,S.M.
Antiesense inhibition of clusterin expression
Antiesense inhibition of clusterin expression
tAL Patent: US 6383808-A 25 07-MAY-2002;
Location/Qualifiers

Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 26 07-MAY-2002;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 27 from patent US 6383808.
AR208728 1 GI:21509959
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Sequence 25 from patent US 6383808.
AR208726.1 GI:21509956
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  286 AGAAAGAGGATGCCCTAAAT 305
                                                                                                                                                                                                                                                                                                                                                                                                        298 CCCTAAATGAGACCAGGGAA 317
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
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AR208728/c
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AR208726/c
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AR208727/c
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 34 07-MAY-2002;
Location/Qualifiers
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            Query Match 1.2%; Score 20; DB 1; Best Local Similarity 100.0%; Pred. No. 24; Matches 20; Conservative 0; Mismatches 0
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100.0%; Pred. No. 24;
tive 0; Mismatches 0
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1 (bases 1 to 20)

Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin experient: US 6383808-A 33 07-MAY-2002;

Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 35 from patent US 6383808.
AR208736.1 GI:21509969
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                AR208734 20 bp
Sequence 33 from patent US 6383808.
AR208734
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Sequence 34 from patent US 6383808.
AR208735 1 GI:21509967
                                                                   CTCAGGCCTGGTTGGCCGCC 462
                                                                                                                                                                                                                                                                                                                                                                                                                                                             444 TCAGGCCTGGTTGGCCGCCA 463
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                                                                                  20 CTCAGGCCTGGTTGGCCGCC 1
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Best Local Similarity 100.
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AR208734/c
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AR208735/c
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AR208736/C
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Antisense inhibition of clusterin expression
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Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 31 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 32 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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            20 bp | Sequence 30 from patent US 6383808.
AR208731
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Sequence 31 from patent US 6383808.
AR208732. GI:21509964
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 32 from patent US 6383808.
AR208733.1 GI:21509965
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                                                                                                                                                                                                                                                                                                      407 CTGCATGAAGTTCTACGCAC 426
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PAT 20-JUN-2002

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Unknown.

Unclassified.

E 1 (bases 1 to 20)

KS Monia, Br. and Freier, S.M.

Antisense inhibition of clusterin expression

India Parent: US 6383808-A 39 07-MAY-2002;

Location/Qualifiers
                                                                                                                                                                                                          Unknown.

Molassified.

E 1 (bases 1 to 20)

A Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin expression

Antisense inhibition of -MaY-2002;

Location/Qualifiers

Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
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1.2%; Score 20; DB 1;
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Matches 20; Conservative 0; Mismatches
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Sequence 40 from patent US 6383808.
AR208741
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                                                                                                          20 bp
20 bp
Seguence 38 from patent US 6383808.
AR208739
AR208739.1 GI:21509972
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20 ACCGCATCGACTCCCTGCTG
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Best Local Similarity 100.
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AR208739/c
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AR208740/c
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Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 24;
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1 (bases 1 to 20)
S Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin expression
Location/Qualifiers
Location/Qualifiers
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E 1 (bases 1 to 20)

S Monia, B.P. and Freier, S.M.

Antiense inhibition of clusterin expression

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Location/Qualifiers

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Antisense inhibition of clusterin expression
Patent: US 6383808-A 36 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 37 from patent US 6383808.
AR208738
AR208738.1 GI:21509971

    .20
    /organism="unknown"
    /mol_type="unassigned DNA"

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Sequence 36 from patent US 6383808.
AR208737.1 GI:21509970
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AR208738/c
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AR208737/c
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PAT 20-JUN-2002

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AR208744 20 bp
Sequence 43 from patent US 6383808.
AR208744
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AR208745/c
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AR208746/c
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 41 07-MAY-2002;
Location/Qualifiers
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Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 42 07-MAY-2002;
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100.0%; Pred. No. 24;
tive 0; Mismatches
 Patent: US 6383808-A 40 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
                          1. .20
/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 41 from patent US 6383808.
AR208742.1 GI:21509976
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Sequence 42 from patent US 6383808.
AR208743.
AR208743.1 GI:21509977
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/wol_type="unassigned DNA"
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                                                                                                                           553 AGACGCACATGCTGGATGTC 572
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AR208742/c
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RESULT 89 AR208744/c

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Pred. No. 24;
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Unclassified.

E 1 (bases 1 to 20)

K Monia, Br. and Freier, S.M.

Antiense inhibition of clusterin expression

Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 44 07-MAY-2002;
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Monia, B.P. and Freier, S.M.
Antieense inhibition of clusterin expression
Patent: US 6383808-A 45 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 44 from patent US 6383808.
AR208745.1 GI:21509980
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Sequence 45 from patent US 6383808.
AR208746
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/organism="unknown"
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Monia, inhibition of clusterin expression
Patent: US 6383808-A 49 07-MAY-2002;
        Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 48 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Sequence 50 from patent US 6383808.
AR208751. GI:21509987
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Sequence 49 from patent US 6383808.
AR208750
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/organism="unknown"
/mol_type="unassigned DNA"
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/wol_type="unassigned DNA"
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Antiseme inhibition of clusterin expression
Patent: US 6383808-A 47 07-MAY-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                       Unclassified.

1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 46 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
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Sequence 48 from patent US 6383808.
AR208749.1 GI:21509985
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 47 from patent US 6383808.
AR208748.1 GI:21509984
 Query Match
1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 46 from patent US 6383808.
AR208747
AR208747.1 GI:21509982
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/wol_type="unassigned DNA"
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                                                          613 AGCTCTTCCAGGACAGGTTC 632
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 54 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 55 07-MAY-2002;
Location/Qualifiers
                                                               Query Match 1.2%; Score 20; DB 1; Best Local Similarity 100.0%; Pred. No. 24; Matches 20; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 55 from patent US 6383808.
AR208756.1 GI:21509994
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/wol_type="unassigned DNA"
              1. .20
/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 54 from patent US 6383808.
AR208755
AR208755.1 GI:21509992
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Location/Qualifiers
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AR208757/c
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DEFINITION
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3 1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antiaense inhibition of clusterin expression
AL Patent: US 6383808-A 51 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 52 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier,S.M.
Antiense inhibition of clusterin expression
Patent: US 6383808-A 53 07-MAY-2002;
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Sequence 51 from patent US 6383808.
AR208752
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AR208753
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 53 from patent US 6383808.
AR208754 GI:21509991
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20 CCCTTCCTTGAGATGATACA 1
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Matches 20; Conservative
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PAT 20-JUN-2002
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1 (bases 1 to 20)
Monia B.P. and Preier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 59 07-MAY-2002;
Location/Qualifiers
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Monia B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 60 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
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100.0%; Pred. No. 24; iive 0; Mismatches
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 60 from patent US 6383808.
AR208761.1 GI:21510000
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/mol_type="unassigned DNA"
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Sequence 59 from patent US 6383808.
AR208760
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                                     967 AGATCTTGTCTGTGGACTGT 986
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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E 1 (bases 1 to 20)

S Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression

Antisense inhibition of clusterin expression

Incation/Qualifiers

Location/Qualifiers
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Unclassified.
1 (bases 1 to 20)
1 (bases 1 to 20)
Antisense inhibition of clusterin expression
Patent: US 6383808-A 58 07-MAY-2002;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 58 from patent US 6383808.
AR208759. GI:21509997
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Sequence 57 from patent US 6383808.
AR208758
AR208758.1 GI:21509996
     Sequence 56 from patent US 6383808.
AR208757
AR208757.1 GI:21509995
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Unclassified.
1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 65 07-MAY-2002;
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Monia, B.P. and Freier, S.M.
Patiense inhibition of clusterin expression
Patent: US 6383808-A 66 07-MAY-2002;
Location/Qualifiers
                                                                                                                                                  Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 64 07-MAY-2002;
Location/Qualifiers
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Seguence 64 from patent US 6383808.
AR208765
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Sequence 66 from patent US 6383808.
AR208767
AR208767.1 GI:21510007
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/mol_type="unassigned DNA"
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/organism="unknown"
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Sequence 65 from patent US 6383808.
AR208766.1 GI:21510006
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AR208766/c
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AR208767/c
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       1 (bases 1 to 20)
Monia B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 61 07-MAY-2002;
Location/Qualifiers
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Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 62 07-MAY-2002;
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 63 07-MAY-2002;
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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AR208763
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AR208764
AR208764.1 GI:21510003
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of -MaY-2002;

Location/Qualifiers

Location/Qualifiers
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1 (bases 1 to 20)

Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 71 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 70 07-MAY-2002;
Location/Qualifiers
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100.0%; Pred. No. 24;
tive 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 71 from patent US 6383808.
AR208772
AR208772.1 GI:21510013
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 70 from patent US 6383808.
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/organism="unknown"
/mol_type="unassigned DNA"
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AR208770
AR208770.1 GI:21510011
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AR208771/c
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 68 07-MAY-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                              Unclassified.

1 (bases 1 to 20)

Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 67 07-MAY-2002;
Location/Qualifiers
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ilarity 100.0%; Pred. No. 24;
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LOCUS AR208770 20 bp D
DEFINITION Sequence 69 from patent US 6383808.
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/wol_type="unassigned DNA"
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/organism="unknown"
/wol_type="unassigned DNA"
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AR208768
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Sequence 68 from patent US 6383808.
AR208769 GI:21510010
                                 /mol_type="unassigned DNA"
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            1. .20
/organism="unknown"
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AR208769/c
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AR208768/c
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Monia, B.P. and Freier, S.M.
Patisense inhibition of clusterin expression
Patent: US 6383808-A 75 07-MAY-2002;
1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Artisense inhibition of clusterin expression
Patent: US 6383808-A 74 07-MAY-2002;
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 78 07-MAY-2002;
Location/Qualifiers
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Sequence 75 from patent US 6383808.
AR208776.1 GI:21510018
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
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Sequence 78 from patent US 6383808.
AR208779.1 GI:21510022
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Monia, B.P. and Freier,S.M.
Matisense inhibition of clusterin expression
Patent: US 6383808-A 72 07-MAY-2002;
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 73 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 74 from patent US 6383808.
AR208775
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Sequence 72 from patent US 6383808.
AR208773.1 GI:21510015
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/organism="unknown"
/mol_type="unassigned DNA"
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                                               20 AAATTTATGGAGACCGTGGC 1
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

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AR208774/c LOCUS

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AUTHORS TITLE JOURNAL

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PAT 20-JUN-2002

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AR208775/c LOCUS

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 28 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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1 (bases 1 to 21)
Millis,A.J.T.
Compositions and methods for altering cell migration
Patent: US 6464975-A 13 15-OCT-2002;
Location/Qualifiers
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1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                      1.2%; Score 20; DB 1; Length 21;
100.0%; Pred. No. 28;
iive 0; Mismatches 0; Indels
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Patent: WO 2004018676-A 67 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/noTe="RNAi for human clusterin"
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                                                                1. 21 / Organism="synthetic construct" / Organism="synthetic construct" / mol_type="unassigned DNA" / Lote="taxon:32630" / note="RNAi for human clusterin"
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synthetic construct
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Sequence 67 from Patent WO2004018676.
CQ786179
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95.2%; Pred. No. 35;
rative 0; Mismatches
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Sequence 13 from patent US 6464975.
AR236281
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Best Local Similarity 95.2
Matches 20; Conservative
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity 100.0%; Pred. No. 28;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Wicknown.
Unclassified.
E 1 (bases 1 to 20)
S Monia, Br. and Freier, S.M.
Antiesense inhibition of clusterin expression
AL Patent: US 6383808-A 80 07-MAY-2002;
Location/Qualifiers
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Patent: WO 2004018676-A 9 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 9 from Patent WO2004018676.
CQ786121
                                                                       Sequence 80 from patent US 6383808.
AR208781
AR208781,1 GI:21510025
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synthetic construct
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CQ786639
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CQ786121
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AR208781/c
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100.0%; Pred. No. 40;
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Patent: WO 2004018676-A 10 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Seguence 10 from Patent WO2004018676.
CQ786122
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Sequence 29 from Patent WOZ004018675.
CQ786640. GI:45721660
                                                              synthetic construct other sequences other sequences.
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              CQ786654.1 GI:45721674
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CQ786122/c
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Conservative 0; Mismatches 0; Indels
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 68 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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|mol_type="unassigned RNA"
|mol_type="unassigned"
|noTe="RNA! for human clusterin"
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Seguence 68 from Patent WO2004018676.
CQ786180
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synthetic construct
other sequences; artificial sequences.
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Sequence 42 from Patent WO2004018675.
CQ786653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CQ786654 19 bp RNA Sequence 43 from Patent WO2004018675.
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                                1 ATGATGAAGACTCTGCTGC 19
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synthetic construct
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1 (base.i.t., Lin,D. and Strauss,J.F. III.
Miller,W.L., Lin,D. and Strauss,J.F. III.
Identification of gene mutations associated with congenital lipoid adrenal hyperplasia adrenal hyperplasia Patent: US 5807678-A 22 15-SEP-1998;
Location/Qualifiers
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                   /organism='Artificial sequences'
                                                                                                                                Score 18.8; DB 1; Length 22;
Pred. No. 50;
0; Mismatches 2; Indels
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Best Local Similarity 100.0%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 0; Indels
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Muknown.
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MoniasElv. and Freier, S.M.

MoniasB.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin expression
Location/Qualifiers

Location/Qualifiers
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100.0%; Pred. No. 36;
ative 0; Mismatches
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/organism≃"unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                              18 bp
Sequence 4 from patent US 6383808.
AR208705
AR208705.1 GI:21509929

    .22
    /organism="unidentified"
    /mol_type="genomic DNA"
    /db_xref="taxon:32644"

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Best Local Similarity 90.9%;
Matches 20; Conservative (
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Matches 18; Conservative
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S Akamatsu, T., Suzuki, T. and Uchimiya, H.

D Akamatsu, T., Suzuki, T. and Uchimiya, H.

D BETENAINARTION OF MALE OR FEMALE OF SPINACH BY USING DNA MARKER

L PATENT: UP 1998052284-A 10 24-FEB-1998;

SAKATA NO TANE: KK

OS None

OC Artificial sequences.

PN JP 1998052284-A/10

PD 24-FEB-1998

PF 14-MAY-1997 JP 1997124012

PR 14-MAY-1997 JP 1997124012

PR 14-MAY-1997 JP 1997124012

PR 14-MAY-1996 JP 96P 119124

PI AKAMATSU TOYCKAZU, SUZUKI TAKAO, UCHIMIYA HIROBUMI PC

C12N15/09, CO77421/69;

CC strandedness: Single;

CC topology: Linear;

CC hypothetical: No;

CC Artificers

CC Artificers

CC Artificers

CC Artificers

CC Artificers

CC LODOLOGY: Linear;

CC C Artificers
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   The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Unclassified.
1 (Dassified.
1 (Dasses I to 22)
Akamatsu, T. and Suzuki, T.
Method for identifying the sex of spinach by DNA markers
Method for 104012-fy 10 08-UN-1999;
Patent: US 5910412-A 10 08-UN-1999;
Location/Qualifiers
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1.2%; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 19; Conservative 0; Mismatches 0; Indels
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                                      1. .21
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:3&530"
/noTe="RNAi for human clusterin"
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/organism="unknown"
/mol_type="unassigned DNA"
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AR071119
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JP 1998052284-A/10.
unidentified
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unclassified.
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Best Local Similarity 90.99
Matches 20; Conservative
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                                                               Unclassified.

In (bases 1 to 20)
Anderson,K.P., Hanecak,R.C., Hoshiko,K., Nozaki,C., Nishihara,T.,
Anderson,K.P., Hamada,F., Eto,T. and Furukawa,S.
Compositions and methods for treatment of hepatitis C
virus-associated diseases
Patent: US 6284458-A 43 04-SEP-2001;
Location/Qualifiers
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1 (bases 1 to 20)

1 (bases 1 to 20)

Naderson,K.P., Hanecak,R.C., Hoshiko,K., Nozaki,C., Nishihara,T.,
Nakatake,H., Hanada,F., Eto,T., Furukawa,S., Furasako,S.,
Bruice,T.W. and Lima,W.F.
Compositions and methods for treatment of Hepatitis C
virus-associated diseases
Patent: US 6391542-A 43 21-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 16)
Maertens, G., Stuyver, L., Rossau, R. and Van, H.H.
PROCESS FOR TYPING OF HCV ISOLATES
PATENT: WO 9412670-A 97 09-JUN-1994;
PINGENETICS NV (BE)
Other Publication AU 5628294 940622
Other publication CA 2128528 940609
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Best Local Similarity 90.0%; Pred. No. 74;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                   /organism="unknown"
/mol_type="unassigned DNA"
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Sequence 43 from patent US 6391542.
AR210681
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 97 from Patent WO9412670.
A39125
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                                                                                                                                                                                                 Eukaryota; Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                    Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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100.0%; Pred. No. 43;
ive 0; Mismatches (
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Patent: WO 03025175-A 253 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 253 from Patent W003025175.
AX728619
AX728619.1 GI:30507962
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Sequence 43 from patent US 6284458.
AR167026
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Homo sapiens
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Homo sapiens
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Best Local Similarity 100.1
Matches 17; Conservative
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RESULT 138

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RESULT 139 AR167026/c

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Unclassified.
1 (bases 1 to 16)
Maertens,G., Stuyver,L., Rossau,R. and Van Heuverswyn,H.
Process for typing of HCV isolates
Patent: US 6171784-A 97 09-JAN-2001;
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Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H. Process for typing of HCV isolates
Pacent: US 5846704-A 97 08-DEC-1998;
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100.0%; Pred. No. 50;
tive 0; Mismatches 0; Indels
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  Other publication JP 7503143T 950406.
Location/Qualifiers
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                                                                                            Query Match 1.0%; Score 16; DB Best Local Similarity 100.0%; Pred. No. 50; Matches 16; Conservative 0; Mismatches

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    /db_xref="taxon:32644"

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Seguence 97 from patent US 5846704.
AR063448
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Marches 16; Conservative
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AR123639/c
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DEFINITION
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ORGANISM
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AR063448/c
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PAT 10-APR-2003
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Patent: EP 0902558-A 97 31-MAR-1999;
INNOGENETICS WV (BE)
Location/Qualifiers
1. 16
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                                                                                                                                    Unclassified.

1 (bases 1 to 16)

Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H.
Process for typing of HCV isolates
Patent: US 6495670-A 97 17-DEC-2002;
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Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H.
Process for typing HCV isolates
Patent: US 6548244-A 97 15-APR-2003;
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1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 16; Conservative 0; Mismatches 0; Indels
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ative 0; Mismatches
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Sequence 97 from patent US 6495670.
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Sequence 97 from Patent EP0905258.
AX023187
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/organism="unknown"
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/organism="unknown"
/mol_type="mRNA"
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PAT 24-MAR-2004
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                                PAT 11-0CT-2004
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                                                                                                                                                                               Van Ommeren, G.J., van Deutekom, J.C., den Dunnen, J.T. and Aartsma-Rus, A.
Modulation of exon recognition in pre-mrna by interfering with the secondary rna structure
Patent: WO 2044083446-A 15 30-SEP-2004;
Academisch Ziekenhuis Leiden (NL)
Location/Qualifiers
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Patent: WO 2004018676-A, 7 04 MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/db xref="taxon:32650"
/note="RNAi for human clusterin"
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Pred. No. 90;
0; Mismatches 2;
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Sequence 8 from Patent WO2004018676.
CQ786120
                                  CQ881900 19 bp RNA
Sequence 15 from Patent WO2004083446.
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synthetic construct
other sequences, artificial sequences.
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Sequence 7 from Patent WO2004018676.
CQ786119
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Best Local Similarity 89.5%;
Matches 17; Conservative
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CQ786120/c
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CQ786119
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Hepatitis C virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
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Wang, C.-G. and Hepburn, A.G.
Genetic sequence assay using DNA triple strand formation
Patent: US 5861244-A 37 19-JAN-1999;
Location/Qualifiers
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100.0%; Pred. No. 50;
tive 0; Mismatches 0; Indels
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                                                                 Query Match 1.0%; Score 16; DB 1;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 16; Conservative 0; Mismatches (
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100.0%; Pred. No. 61;
trive 0; Mismatches
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    .16 /organism="Hepatitis C virus"
/mol type="unassigned DNA"
/db_xref="taxon:11103"

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Patent: EP 1197568-A 97 17-APR-2002;
Innogenetics N.V. (BE)
Location/Qualifiers
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Sequence 37 from patent US 5861244.
AR029848.1 GI:5943062

    .17
    /organism="unknown"
    /mol_type="unassigned DNA"

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Sequence 97 from Patent EP1197568.
AX417393
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AX417393/c
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Length 19;

PAT 24-MAR-2004

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192254-A 8666 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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/organism="synthetic construct"
/moltype="unassigned DNA"
/db xref="taxon:32630"
/noTe="RNAi for human clusterin"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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synthetic construct
other sequences; artificial sequences.
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Sequence 27 from Patent WO2004018675.
CQ786638
CQ786638.1 GI:45721658
                                                                      ; Score 15.8; DI
; Pred. No. 90;
0; Mismatches
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Sequence 8666 from Patent WO0192524.
CQ623926.
CQ623926.1 GI:41674144
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89.5%; Pred. No. 90;
tive 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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89.5%;
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Best Local Similarity 89.5.
Best Local 17; Conservative
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CQ623926
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VERSION
KEYWORDS
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JOURNAL
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                                                 Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 24 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018675-A 26 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                         Rnai probes targeting cancer-related proteins
Patent: WO 2004018676.A 8 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                                                                                                                   /organism="synthetic construct"
/mol_type="unassigned DNA"
/mol_type="unassigned DNA"
/note="RNAi for human clusterin"
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/note="RNA" for human clusterin"

    .19
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Sequence 24 from Patent WO2004018675.
CQ786635. GI:45721655
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synthetic construct
other sequences; artificial sequences.
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synthetic construct
other sequences; artificial sequences.
                    other sequences; artificial sequences.
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   synthetic construct
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                                                                            Gonos, E.
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CQ786635
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Shannon, M.E.
Polynuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8666 03-FEB-2004;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 170 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Sequence 1451 from Patent EP1281758.
AX688719
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Sequence 170 from Patent WO0159103.
AX214728
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0.9%; Score 15.4; E
Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                1. .17
/organism="unknown"
/mol_type="genomic DNA"
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Location/Qualifiers
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AX688719/C
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AX214728/c
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Unclassified.
Unclasse 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and
Stinchcomb,D.T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (Dases 1 to 17)

1 (Dases 1 to 17)

Draper.K.G., Pavco, P., McSwiggen, J., Gustofson, J. and Stinchcomb, D.T.

Method of reducing stromelysin RNA via ribozymes
Patent: Uccation/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 74; 1; Indels rative 0; Mismatches 1; Indels
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Sequence 8666 from patent US 6686188.
AR464989
AR464989.1 GI:42700046
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Patent: US 5612215-A 535 18-MAR-1997;
Location/Qualifiers
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Sequence 535 from patent US 5731295.
194372.
194372.1 GI:3938842
                                                                                137522 17 bp Di Sequence 535 from patent US 5612215.
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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137522.1 GI:2085482
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Best Local Similarity 94.19
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Best Local Similarity 94.13
Matches 16; Conservative
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PAT 11-MAY-2001
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Paoletti,E., Perkus,M.E., Taylor,J., Tartaglia,J., Norton,E.K.,
Paoletti,E., Perkus,M.E., Limbach,K.J., Johnson,G.P., Pincus,S.E.,
Cox,W.I., Audomet,J.-C.F. and Gettig,R.R.
NYVAC vaccinia virus recombinants comprising heterologous inserts
Patent: US 5494807-A 280 27-FEB-1996;
Location/Qualifiers
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Genotyping reagents, kits and methods of use thereof
Patent: WO 0129262-A 301 26-APR-2001;
Orchid BioSciences, Inc. (US)
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                                                                                                                                                                                                                                                                                   Length 18;
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                        linear
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                                                                                                                                 Unclassified.

1 (bases 1 to 18)
Stinchcomb, D.T. and McSwiggen, J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 953 15-SEP-1998;
Location/Qualifiers
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88.9%; Pred. No. 1.1e+02;
ative 0; Mismatches 2;
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Sequence 280 from patent US 5494807.
118045.
118045.1 GI:1598400
                        AR040105 18 bp DN
Sequence 953 from patent US 5807743.
AR040105.1 GI:5959468
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Sequence 301 from Patent WO0129262.
AX115178
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/organism="unknown"
/mol_type="unassigned DNA"
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/wol_type="unassigned DNA"
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Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
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AX115178
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RESULT 163
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Unclassified.

(bases 1 to 18)

Riviere, M., de Taisne, C., Limbach, K.J., Johnson, G.P., Pincus, S.E., Cox, W.I., Audonnet, J.-C. Francis. and Gettig, R.Robert.

Modified recombinant vaccinia virus and expression vectors thereof Patent: US 5762938-A 280 09-JUN-1998;

Location/Qualifiers
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                                                                                                                                                                                   PAT 25-JUN-2003
                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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4.1%; Pred. No. 74;
ve 0; Mismatches 1; Indels
                 0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 74;
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               organism="Homo sapiens"
|mol_type="unassigned DNA"
|db_xref="taxon:9606"
                                                   0; Mismatches
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AX762505.1 GI:32257121
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Conservative (
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Homo sapiens
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AX762505
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                          Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Myosin-like gene expressed is constant and muscle
Patent: WO USS 8352 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8353 06-DEC-2001;
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Seguence 8352 from Patent WO0192524.
CQ623612
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Sequence 8353 from Patent WO0192524.
CQ623613.
CQ623613.1 GI:41673831
                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
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/db_xref="taxon:9606"

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Location/Qualifiers
                  1104 CTCAACACCTCCT 1119
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                                    2 CTCAACAACTCCTCCT 17
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CQ623612/c
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Kawaoka, A. and Ebinuma, H.
NA encoding a transcription factor controlling phenylpropanoid
blosynthesis pathway
Patent: US 6303847-A 7 16-OCT-2001;
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                  1. .18
/organism="synthetic construct"
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/noTe="Primer"
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Sequence 7 from patent US 6303847.
AR173373 GI:17912864
Location/Qualifiers
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AR173373
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PAT 02-FEB-2004

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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 10038 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 10037 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unclassified.

1 (bases 1 to 17)

Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and Stinothcomb,J. argeted ribozymes

Stromelysin targeted ribozymes

Patent: US 5612215-A 536 18-MAR-1997;
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Sequence 10038 from Patent WO0192524.
CQ625298
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                          Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 192524-A 8667 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8665 06-DEC-2001;
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 16+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10037 from Patent WO0192524.
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Sequence 8667 from Patent WO0192524.
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                Sequence 8665 from Patent WO0192524.
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Location/Qualifiers
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CQ625297.1 GI:41675515
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CQ623927.1 GI:41674145
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CQ623925.1 GI:41674143
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PAT 20-FEB-2004
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                                                                                                                     Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8333 03-FEB-2004; Location/Qualifiers
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Gu.Y., Ji.Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
                                                                   1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Sequence 8667 from patent US 6686188.
AR464990. GI:42700047
                                                                                                                                                                                                          /organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and
Stinchcomb,D.T.
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Patent: US 5731295-A 536 24-MAR-1998;
Location/Qualifiers
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Sequence 8353 from patent US 6686188.
AR464676 1 GI:42699733
93.8%; Pred. No. 1e+02; ative 0; Mismatches
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Sequence 8352 from patent US 6686188.
AR464675
AR464675.1 GI:42699732
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Sequence 536 from patent US 5731295.
194373.
194373.1 GI:3938843
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/mol_type="unassigned DNA"
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/mol_type="genomic DNA"
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Best Local Similarity 93.89
Matches 15; Conservative
Best Local Similarity 93.8
Matches 15; Conservative
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Best Local Similarity 93.8
Matches 15; Conservative
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AR464675/c LOCUS

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AR464676/C LOCUS DEFINITION ACCESSION VERSION

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Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                      Blatt,L., Mcswiggen,J. and Chowrira,B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 171 16-AUG-2001;
RIBOZYME PHARACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                              /organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
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Sequence 1452 from Patent BP1281758.
AX688720
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Aeomica, Inc. (US)
        RNA
                                                                                           synthetic construct
synthetic construct
other sequences, artificial sequences.
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Sequence 1450 from Patent EP1281758.
AX688718
AX688718.1 GI:29411422
17 bp F Sequence 171 from Patent W00159103. AX214729

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Best Local Similarity 93.8
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Shannon, M. E.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 1037 03-PEB-2004;

Location/Qualifiers
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0.9%; Score 14.4; DB 1; Length 17;

Best Local Similarity 93.8%; Pred. No. 1e+02;

Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10038 from patent US 6686188.
AR466361.1 GI:42701418
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Sequence 10037 from patent US 6686188.
AR466360
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                /mol_type="genomic DNA"
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Best Local Similarity 93.85
Matches 15; Conservative
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AR466361/c
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AX214729/c
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AR466360/c
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/organism="unidentified"
/dno_Lype="unassigned DNA"
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/noTe="Description of Artificial Sequence: an artificially synthesized primer se q"
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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 (bases 1 to 18)
Evans, G.A. and Smith, M.W.
Method for generation of sequence sampled maps of complex genomes
Patent: US 5851760-A 797 22-DEC-1998;
Location/Qualifiers
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93.8%; Pred. No. 1.2e+02;
tive 0; Mismatches 1; Indels
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Best Local Similarity 93.8%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Patent: EP 1347046-A 5102 24-SEP-2003;
Research Association for Biotechnology (JP)
Location/Qualifiers
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Sequence 5102 from Patent EP1347046.
AX837978
AX837978.1 GI:39921670
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Sequence 797 from patent US 5851760.
AR067404.1 GI:5998626

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AX837978
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                            Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 03025175-A 4522 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
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Sequence 3944 from Patent W003040369.
AX760623
                                                                                                     Patent: EP 1281758-A 1452 05-FEB-2003;

    .17
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Homo sapiens
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Homo sapiens
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1 (bases 1 to 17)
1 Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Methods of identifying compounds that modulate body weight using the OB receptor the Patent: US 5972621-A 27 26-OCT-1999;
Patent: US 597261-A 27 26-OCT-1999;
Location/Qualifiers
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1 (bases 1 to 17)

1 trataglia,L.A., Tepper,R.I. and Culpepper,J.A.

Methods of identifying compounds that modulate body weight using the OB receptor

Patent: US 597261-A 25 26-0CT-1999;
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1 (bases 1 to 17)
Stinchcomb, D.T. and McSwiggen, J.A.
Stinchcomb, D.T. and McSwiggen, J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 467 15-SEP-1998;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2;
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Sequence 467 from patent US 5807743.
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Sequence 27 from patent US 5972621.
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AR081755.1 GI:10008481
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Sequence 25 from patent US 5972621.
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Sukaryota; Viridiplantee; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Wararyota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonuclectides
Patent: WO 0192512-A 955 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
Patent: WO 0195512-A 956 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
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100.0%; Pred. No. 1.2e+02;
ative 0; Mismatches 0; Indels
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/db_xref="taxon:34316"

    1.17
    forganism="Bucalyptus camaldulensis"
/mol_type="unassigned DNA"
/db_xref="taxon:34316"

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                                                                                                                                   DNA
                                                                                                                            Sequence 955 from Patent WO0192512. AX324817
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Sequence 956 from Patent WO0192512.
AX324818
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1 GTGGAAGATGCTCGAC 16
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PAT 17-JUL-2003
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Unclassified.

Unclassified.

(E 1 (bases 1 to 17)

RS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules

Regulation of repressor genes using nucleic acid molecules

RIBOZYME PHARMCTUTICALS INC

OS EUKARYOTE

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 11-APR-1999 US 60/123390

PI LAMRENCE BLATT, MICHARL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC

C12211/09, A61K438/00, A61K48/00, A61P43/00, C12NS/10, PC
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                                                                                                Tartaglia, D.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Tartaglia, D.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6287782-A 27 11-SEP-2001;
Location/Qualifiers
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BD254845.1 GI:33064615
JP 2002541795-A/2638.
unidentified
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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/mol_type="unassigned DNA"
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/organism="unidentified"
/mol_type="genomic DNA"
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Best Local Similarity 88.2%;
Matches 15; Conservative (
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CQ617155/c
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Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6287782-A 25 11-SEP-2001;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
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Wands, J.R., Wakkta, T. and Moradpour, D.
Antisense inhibition of hepatitis C virus
Patent: US 6001990-A 21 14-DEC-1999;
                                                  Query Match

0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.38+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 25 from patent US 6287782.
AR167985
AR167985.1 GI:17903799
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/mol_type="unassigned DNA"
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Sequence 27 from patent US 6287782.
AR167987
        /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                      AR094983
Sequence 21 from patent US 6001990.
AR094983.1 GI:10022419
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Best Local Similarity 88.2
Matches 15; Conservative
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RESULT 195 AR167985 DEFINITION

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REFERENCE AUTHORS TITLE JOURNAL FEATURES

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8568 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle Patent: WO 109254-A 7355 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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Sequence 7485 from Patent W00192524.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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17 GTCCAGCTCTCCTGG 1
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                      Homo sapiens
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Shannon,M.E.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 1895 06-DEC-2001;
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Aeomica, Inc. (US)
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
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            Sequence 1895 from Patent W00192524.
CQ617155
CQ617155.1 GI:41667373
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/mol_type="unassigned DNA"
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Sequence 7355 from Patent
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CQ622615.1 GI:41672833
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhin1, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8664 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8663 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Sequence 8664 from Patent WO0192524.
CQ623924
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Seguence 8663 from Patent WO0192524.
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/mol_type="unassigned DNA"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidee; Homo.
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Shannon,M.E.
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Acomica, Inc. (US)
Location/Qualifiers
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Patent: WO 019524-A 8661 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 8660 from Patent WO0192524.
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Sequence 8661 from Patent WO0192524.
CQ623921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
/db_xref="taxon:9606"
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                                                                                                   292 AGGATGCCCTAAATGAG 308
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Gaps

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**Gape** 

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other sequences; artificial sequences.

other sequences; artificial sequences.

other sequences; artificial sequences.

(bases 1 to 17)

RS Leroy,E.H., Michael,W.H., Lloyd,M.S. and Tim,J.H.

Method for analyzing oligonucleotide

AL Patent: JP 1999046800-A 4 22-FEB-1999;

CALIFORNIA INSTITUTE OF TECHNOLOGY

OS Artificial Sequence

PN JP 1999046800-A/4

PD 23-FEB-1999

PF 12-FEB-1999

PF 12-FEB-1999

PF 12-FEB-1999

PR 16-JAN-1994 US

S700973

PR 16-JAN-1994 US

C1201/68,G01N21/76,G01N27/447,G01N33/56,G01N33/58//C12N15/09

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C1201/68,G01N21/76,G01N27/447,G01N33/56,G01N33/58//C12N15/09

FT Source

// Organism='Artificial Sequence'.
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Unclassified.
Unclassified.
1 (bases 1 to 17)
Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
Pavco,P., McSwiggent for the treatment of diseases or conditions welthed and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 7759 12-FEB-2002;
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88.2%; Pred. No. 1.3e+02;
trive 0; Mismatches 2; Indels
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/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"
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Sequence 7759 from patent US 6346398.
AR192271 GI:20238236
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Method for analyzing oligonucleotide.
E65210
                                             /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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JP 1999046800-A/4.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                       Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9689 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                        Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 019224-A 9687 06-DBC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9688 06-DEC-2001;
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 2; Indels
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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PAT 20-DEC-2002

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Unclassified.
Unclassified.
1 (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Chimeric proteins comprising the extracellular domain of murine Ob
receptor
receptor
Patent: US 6482927-A 25 19-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unclassified.

1 (Dases 1 to 17)

Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.

Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.

Chimeric proteins comprising the extracellular domain of murine Ob receptor

Receptor

Location/Qualifiers

1. 17
                                                                                           Unknown.
Unclassified.
I (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders
weight disorders
Patent: US 6403552-A 27 11-JUN-2002;
Patent: US 6403552-A 27 11-JUN-2002;
                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 25 from patent US 6482927.
AR256153.
AR256153.1 GI:27305555
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Sequence 27 from patent US 6482927.
AR256155
AR266155.1 GI:27305557
AR213318 17 bp 1
Sequence 27 from patent US 6403552.
AR213318
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/organism="unknown"
/mol_type="genomic DNA"
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                                                 AR213318.1 GI:23310501
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Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders
Patent: US 6403552-A 25 11-JUN-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                              Unknown.
Unclassified.
Unclassified.
1 (bases I to 17)
2wick, M. Skokut, T.A., Young, S.A., Folkerts, O. and Merlo, D.J.
Guo, L., Skokut, T.A., Young, S.A., Folkerts, O. and Merlo, D.J.
Nucleic acid encoding delta-9 desaturase
Patent: US 6130934-A 687 26-FEB-2002;
Location/Qualifiers
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Pred. No. 1.3e+02;
0; Mismatches 2; Indels
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Sequence 687 from patent US 6350934.
AR196222.1 GI:20245659
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Sequence 25 from patent US 6403552.
AR213316
                 /organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Matches 15; Conservative
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AR196222/c
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AR213318
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AR306243.1 GI:31695966
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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llarity 88.2%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 2; Indels
                                     Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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1 (bases 1 to 17)
Tartaglia, L.A., Tepper, R.I. and Culpepper, J.A.
                                                                                                                                                                                                                                                                            1 (bases 1 to 17)
Tarraglia, L.A., Tepper, R.I. and Culpepper, J.A.
Ob receptor
Patent: US 6506877-A 25 14-JAN-2003;
Location/Qualifiers
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Patent: US 6506877-A 27 14-JAN-2003;
Location/Qualifiers
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Sequence 25 from patent US 6548269.
AR306243
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Sequence 27 from patent US 6506877.
AR275112
AR275112.1 GI:29708053
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Sequence 25 from patent US 6506877.
AR275110
AR275110.1 GI:29708051
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Best Local Similarity 88.23
Matches 15; Conservative
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AR275112
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Unknown.
Unclassified.
I (bases I to 17)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 3543 20-MAY-2003;
Location/Qualifiers
I (Dases I to 17)
I (Dases I to 17)
Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor and methods for the diagnosis and treatment of body weight disorders, including obesity and cachexia patent: US 6588269-A 25 15-APR-2003;
Location/Qualifiers
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Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor and methods for the diagnosis and treatment of body weight disorders, including obesity and cachexia Patent: US 6548X69-A 27 15-APR-2003;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 2; Indels
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ilarity 88.2%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 2;
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Sequence 27 from patent US 6548269.
AR306245.1 GI:31695968
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/mol_type="genomic DNA"
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Best Local Similarity 88.2'
Matches 15; Conservative
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Indels

PAT 20-FEB-2004

linear

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Gaps

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PAT 20-FEB-2004

linear

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Polymuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 1895 03-FEB-2004; Location/Qualifiers
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                                                             1 (bases 1 to 17)
Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of identifying compounds that modulate body weight using
the OB receptor
Patent: US 6395498-A 27 28-MAY-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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1 (bases 1 to 17)
Gu,Y. Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.3e+02;
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88.2%; Pred. No. 1.3e+02;
rative 0; Mismatches 2; Indels
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/organism="unknown"
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AR458966/c
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Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 656127-A 4182 20-MAY-2003;
Location/Qualifiers
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Methoda of identifying compounds that modulate body weight using
the OB receptor
Patent: US 6395498-A 25 28-MAY-2002;
Location/Qualifiers
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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.3e+02;
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Sequence 4182 from patent US 6566127.
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Sequence 25 from patent US 6395498.
AR371631. GI:34608616
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Sequence 27 from patent US 6395498.
AR371633. GI:34608618
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/mol_type="unassigned RNA"
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AR326780.1 GI:33712588
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Sequence 8568 from patent US 6686188.
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AR464891.1 GI:42699948
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Unknown.
Unclassified.
I (bases I to 17)

I (bases I to 17)

Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 666618-A 7355 03-FEB-2004;

Location/Qualifiers
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1 (bases 1 to 17)

1 (bases 1 to 17)

2 (bannon, M.F., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.

Shannon, M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle

Patent: US 6686188-A 7485 03-FEB-2004;

Location/Qualifiers
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
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Seguence 7485 from patent US 6686188.
AR463808
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/organism="unknown"
/mol_type="genomic DNA"
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,W.E.
Shannon,W.E.
prodominantly in heart and muscle predominantly in heart and muscle patent: US 6686188-A 8661 03-FEB-2004;
                                                                                                                                                                  Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8558 03-FEB-2004; Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
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Sequence 8660 from patent US 6686188.
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/organism="unknown"
/mol_type="genomic DNA"
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                                                                                                                                                                                                                   Polynuciectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 9687 03-FEB-2004; Location/Qualifiers
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1 (bases 1 to 17)

20,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,W.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 9688 03-FEB-2004;
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2;
                                          AR466010 17 bp DNA
Sequence 9687 from patent US 6686188.
AR466010 GI:42701067
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Sequence 9688 from patent US 6686188.
AR466011
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Sequence 9689 from patent US 6686188.
AR466012 1 GI:42701069
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/organism="unknown"
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/mol_type="genomic DNA"
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Best Local Similarity 88.2
Matches 15; Conservative
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AR466010/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.B.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8663 03-FEB-2004;

Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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                                                                          Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.3e+02;
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/wol_type="genomic DNA"
                                          /mol_type="genomic DNA"
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/mol_type="genomic DNA"

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    organism="unknown"

Location/Qualifiers
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Matches 15; Conservative
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Unclassified.
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AR464987
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 876 22-NOV-2001;
RIBOZYME PHRAMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Blis, J.H.
Method and reagent for the inhibition of grid
Patent: WO 0162911-A 440 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED
Location/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Matches 15; Conservative 0; Mismatches 2;
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88.2%; Pred. No. 1.3e+02;
1tive 0; Mismatches 2;
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Sequence 876 from Patent WO0188124.
AX422540
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Sequence 440 from Patent WO0162911.
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/mol_type="unassigned RNA"
/db_xref="taxon:9606"
/note="Nucleic Acid"
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Best Local Similarity
Matches 15; Conserv
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         Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 9689 03-FEB-2004;
Location/Qualifiers
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
patent: WO 0159103-A 1053 16-AUG-2001;
RIBOZYME PHARMACEUITALIS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Patent: WO 0159103-A 1885 16-AUG-2001;
RIBOZYME PHARMACEUTCALS, INC. (US); Blatt, Lawrence (US)
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Pred. No. 1.3e+02;
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="texon:32630"
/noTe="Nucleic Acid"
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other sequences; artificial sequences.
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WO0159103.
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Sequence 1053 from Patent WO0159103.
AX215611. GI:15525654
AX215611.1 GI:15525654
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                                                                                                   1. .17
/organism="unknown"
/mol_type="genomic DNA"
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AX216443
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Best Local Similarity 88.2%;
Matches 15; Conservative
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AX216443/c
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PAT 12-AUG-2002
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human kidney tumor overexpressed membrane protein 1

Patent: WO 0224750-A 510 28-MAR-2002;

Aeomica, Inc. (US)

Location/Qualifiers
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 511 28-MAR-2002;
Aeomica, Inc. (US)
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                                                                       Zhang, J.

Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 509 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 510 from Patent W00224750.
AX475289
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .17
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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Matches 15; Conserva
  Homo sapiens
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1782 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 508 28-MAR-2002;
Aeomica, Inc. (US)
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                                                                           AX423446
Sequence 1782 from Patent WO0188124.

    .17
    /organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 508 from Patent WO0224750.
AX475287
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Sequence 509 from Patent W00224750.
AX475288.1 GI:22214573
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Location/Qualifiers
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Homo sapiens
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Homo sapiens
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Matches 15; Conservative
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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RESULT 242

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LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 243 AX475288

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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 246

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PAT 27-SEP-2002
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Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 941 28-WAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                       linear
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 749 from Patent EP1229046.
AX499442
AX499442.1 GI:23381735
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Sequence 748 from Patent EP1229046.
                                                                                                                                                                                                                                                                                                                    1. .17
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/db_xref="taxon:9606"
                      AX475720
Sequence 941 from Patent W00224750.
AX475720
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 514 28-MAR-2002;
                                                 Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein 1

Human kidney tumor overexpressed membrane protein 1

Human kidney tumor overexpressed membrane protein 1

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Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 514 from Patent WO0224750.
AX475293
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Sequence 512 from Patent W00224750.
AX475291
/mol_type="unassigned DNA"
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Location/Qualifiers
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DEFINITION ACCESSION VERSION KEYWORDS

RESULT 247

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 1453 from Patent EP1281758.
AX688721
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Aeomica, Inc. (US)
Location/Qualifiers
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Acomica, Inc. (US)
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

/db_xref="taxon:9606"
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Location/Qualifiers
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Homo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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88.2%; Pred. No. 1.3e+02;
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Human testis expressed patched like protein
Patent: EP 1229046-A 1238 07-AUG-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                               Human testis expressed patched like protein Patent: EP 1229046-A 749 07-AUG-2002; Aeomica, Inc. (US) Location/Qualifiers
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Sequence 1238 from Patent EP1229046.
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 690 from Patent EP1281758.
AX687958
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AX499931.1 GI:23382224
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Homo sapiens
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Best Local Similarity 88.2
Matches 15; Conservative
                                Zhan, J.
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AX499931
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments and an adjoanment and an adjoanment with a second and a second a second and a second a second and a second a second and a second a 
                                                                                                                                                                           Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1;
Pred. No. 1.3e+02;
0; Mismatches 2;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 50 from Patent WO03040369.
AX756729
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/db_xref="taxon:9606"

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    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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AX731740.1 GI:30511083
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AX756729/c
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                       Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                                                                                                                                                                                                                     Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as madicine.
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88.2%; Pred. No. 1.3e+02;
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medicines
Patent: WO 03025176-A 4884 27-WAR-2003;
Patent: WO 03025176-A 4884 [27-WAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                      Sequence 4884 from Patent WO03025176.
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Patent: WO 03025175-A 57 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
/mol_type="unassigned DNA"
/db xref="taxon:10090"
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Sequence 57 from Patent WO03025175.
AX728423
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Mus musculus
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Matches 15; Conservative
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Best Local Similarity 88.2<sup>†</sup>
Matches 15; Conservative
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AX728423/c
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1 (bases 1 to 15)
Fano,T.S. and Mikkelsen,F.
Subtilase variants having an improved wash performance on egg
stains
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(Labses 1 to 15)
Vogelstein, B., Kinzler, K. W., Zhang, L. and Zhou, W. Gene expression profiles in normal and cancer cells Patent: US 6333152-A 783 25-DEC-2001;
Location/Qualifiers
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synthetic construct
other sequences; artificial sequences.
                                                                                                          AR180715
Sequence 783 from patent US 6333152.
AR180715.1 GI:20222748
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Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 75 from patent US 6727085.
AR532147
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 15 GCCCAGCCAGGCCATG 1
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Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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1 (bases 1 to 15)
Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
Vogelstein,B., Kinzler,R.W., Zhang,L. and Zhou,W.
Vogelstein,B., Kinzler,R.W., Zhang,L. and Zhou,W.
Vogelstein,B., Kinzler,R.W., Zhang,L. and Zhou,W.
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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StinchComb.D.T., Draper,K.G. and McSwiggen,J.
Rel a targeted ribozymes
Patent: US 5658780-A 160 19-AUG-1997;
Location/Qualifiers
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                                                medicines
medicines
Patent: WO 03040369-A 50 15-MAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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161606
161606.1 GI:2479554
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Sequence 174 from patent US 6333152.
AR180106 GI:20222139
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/organism="Homo sapiens"
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Matches 15; Conservative
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REFERENCE AUTHORS TITLE JOURNAL FEATURES

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PAT 08-OCT-2004

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PAT 03-JUL-2001

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ARI31575
AR131575.1 GI:14120478
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Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
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Wang, C.-G. and Hepburn, A.G.
Wang, C.-G. and Hepburn, A.G.
Genetic sequence assay using DNA triple strand formation
Genetic sequence assay using DNA triple strand formation
Datent: US 5861244-A 32 19-UAN-1999;
Location/Qualifiers
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/organism="synthetic construct"

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3 PHARMACEUTICALS, INC. (US)

Location/Qualifiers
          stains
Patent: WO 014452-A 75 21-JUN-2001;
Novozymes A/S (DK)
Location/Qualifiers
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Sequence 3103 from Patent EP1260586.
AX635964.1 GI:28471578
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AR029843.1 GI:5943057

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Matches 14; Conserv
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Unclassified.

(bases 1 to 16)

Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6194149-A 67 27-FEB-2001;
Location/Qualifiers
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Neri, B., Dong, F., Lyamichev, V., Brow, M.Ann.D. and Fors, L.
Target-dependent reactions using structure-bridging
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Ouery Match
0.8%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1;
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Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1;
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Patent: US 6194149-A 68 27-FEB-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Sequence 67 from patent US 6194149.
AR131574
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Sequence 68 from patent US 6194149.
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PAT 20-APR-2002
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Neri, B., Dong, F., Lyamichev, V., Brow, M.Ann.D. and Fors, L.
Target-dependent reactions using structure-bridging
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                                                                            cch 0.8%; Score 13.4; DB 1; Length 16; 1 Similarity 93.3%; Pred. No. 1.2e+02; 14; Conservative 0; Mismatches 1; Indels
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Oligonucleotides
Patent: US 6355437-A 68 12-MAR-2002;
Location/Qualifiers
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Patent: US 6358691-A 67 19-MAR-2002;
Location/Qualifiers
                  1. .16
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Sequence 67 from patent US 6358691.
AR200979.
AR200979.1 GI:20251867
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/mol_type="unassigned DNA"
 Location/Qualifiers
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AR199509
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AR200979
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligomeric compounds for the modulation of survivin expression Patent: WO 2004069991-A 8 19-AUG-2004; Santaris Pharma A/S (DK) Location/Qualifiers
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1 (bases 1 to 16)

Neri, B., Dong, F., Lyamichev, V., Brow, M.Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6355437-A 67 12-MAR-2002;
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                                                                                                          Chimeric recombinant protein and in vitro diagnosis Patent: WO 2004027066-A 11 01-APR-2004; Biomerieux (FR)
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/note="artificial sequence"
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Sequence 67 from patent US 6355437.
AR199508
AR199508.1 GI:20249582

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CQ796994.1 GI:46408576
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PAT 18-JUN-2002

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Lyamichev,V., Allawi,H., Dong,F., Neri,B.P. and Vener,I.T. Nucleic acid accessible hybridization sites Patent: WO 0198537-A 68 27-DEC-2001; THIRD WAVE TECHNOLOGIES, INC. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                     Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T. Nucleic acid accessible hybridization sites Patent: WO 0198371-A67 27-DEC-2001; THIRD WAVE TECHNOLOGIES, INC. (US) Location/Qualifiers
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Patent: US 6709815-A 68 23-MAR-2004;
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Sequence 68 from Patent WO0198537.
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                   Location/Qualifiers
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AX419731.1 GI:21524098
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Best Local Similarity 93.3%
Matches 14; Conservative
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1 (Dassi Lto 16)

Dong,F., Lyamichev,V.I., Prudent,J.R., Fors,L., Neri,B.P.,

Erw,M.M.A.D., Anderson,T.A. and Dahlberg,J.E.

Target-dependent reactions using structure-bridging oligonucleotides
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Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P.,
Brow, M.A.D., Anderson, T.A. and Dahlberg, J.E.
Target-dependent reactions using structure-bridging
oligomucleotides
Patent: US 6709815-A 67 23-WAR-2004;
Location/Qualifiers
                                                                                                                 Unknown...
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I (bases I to 16)
I (bases I to 16)
I veri, B., Dong, F., Lyamichev, V., Brow, M.Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging
oligonucleotides
patent: US 6358691-A 68 19-MAR-2002;
Location/Qualifiers
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Sequence 68 from patent US 6709815.
AR488739
AR488739.1 GI:47254937
                16 bp 1
Sequence 68 from patent US 6358691.
AR200980
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Sequence 67 from patent US 6709815.
AR488738 17:47254936
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PR 05-MAY-1997 US 08/851588,19-SEP-1997 US 08/934097 PR 03-MAR-1998 US 09/034205
PI FANG DONG, VICTOR I LYAMICHEV, JAMES R PRUDENT, LANCE FORS, BRUCE PI PART ANN D BROW, TODD A ANDERSON, JAMES E DAHLBERG PC CO7H21/04, C07H21/02, C12Q1/68 CC Strandedness: Single; CC Topology: Linear; CC Topology: Linear; CC Topology: Location/Qualifiers FT Source 1.16 / Organism='Unidentified'.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GenBank staff at the National Library of Medicine created this entry [NCBI glubbag 81.287] from the original journal article. A->C mutation at 3'splice site intron 10.

Location/Qualifiers
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Sequence 1 from patent US 5849903.
AR066302
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Matches 14; Conservative
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05-MAY-1997 US 08/851S88,19-SEP-1997 US 08/934097 PR
NR-1998 US 09/034205
FANG DONG, VICTOR I LYAMICHEV, JAMES R PRUDENT, LANCE FORS, BRUCE
                                                                                                                                                                                                                                                                            unidentified
unclassified.

E | (bases | Lo 16)
S Brow, M.A.D., Anderson, T.A. and Dahlberg, J.E.

Target-dependent reactions using structure-bridging
oligonucleotides
L Patcht: JP 2001523111-A 67 20-NOV-2001;
THIRD WAVE TECHNOLOGIES INC
OS Unidentified
NN JP 2001523111-A 67
PP 20-NOV-2001
PP 05-MAY-1999 US 08/851588,19-SEP-1997 US 08/934097 PP
PR 05-MAY-1999 US 08/851588,19-SEP-1997 US 08/934097 PP
PR NG -MAY-1999 US 08/851588,19-SEP-1997 US 08/934097 PP
PR NG -MAY-1999 US 08/851588,19-SEP-1997 US 08/934097 PP
PR NG DONG, VICTOR I LYAMICHEV, JAMES E DAHLBERG PC
COTHAL/O4, CONTAL/O2, C12Q1/68
CC Strandedness: Single;
CC Topology: Linear;
CC Topology: L
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E 1 (bases 1 to 16)
S Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P., Anderson, T.A. and Dahlberg, J.E.
Target-dependent reactions using structure-bridging oligonucleotides
C Patent: JP 2001523111-A 68 20-NOV-2001;
THIRD WAVE TECHNOLOGIES INC
OS Unidentified
PN JP 2001523111-A/68
PD 20-NOV-2001
PF 05-MAY-1998 JP 1998548047
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                                                                                                 16 bp DNA linear Target-dependent reactions using structure-bridging oligonucleotides.
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BD084993
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/organism='Unidentified'.
Location/Qualifiers
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/organiam="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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JP 2001523111-A/67.
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Arabidopsis thaliana T-DNA flanking sequence, left border, clone
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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In (bases 1 to 14)
Pietrzkowski, Z., Gieslak, D. and Olbina, G.
Pietrzkowski, Z., Gieslak, D. and Olbina, G.
Antisense oligonucleotides for IL-8 and IL-8 receptor
Antisense oligonucleotides
Patent: US 5849903-A 1 15-DEC-1998;
Location/Qualifiers
Location/Qualifiers
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Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                             100.0%; Pred. No. 2.,
                                                                                                                                                                                                                                                                                                                                                                                                  15 bp
Sequence 11 from Patent WO0212499.
AX377347.1 GI:19573633
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Method and nucleic acids for the improved treatment of breast cell
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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/mol type="genomic DNA"
/cultivar="Wassillewskija"
/db xref="taxon:3702"
/clone="282G05"
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Pred. No. 1.2e+02;
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Patent: WO 2004035803-A 203 29-APR-2004;
Epigenomics AG (DE)

    .15
/note="T-DNA flanking sequence

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100.0%; Pred. No. 1.

    16. .16
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Goodearl, A.D.J. and Glucksmann, M.Alexandra.
Goodearl, A.D.J. and Glucksmann, M.Alexandra.
the thouse for detecting nucleic acid molecules encoding a member of the muscarinic family of receptors
Patent: US 6093545-A.Z 525-JUL-2000;
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Method for treating synovial sarcoma
Patent: WO 2004020668-A 146 11-WAR-2004;
Oncotheray Science, Inc. (JP); The University of Tokyo (JP)
Location/Qualifiers
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An antisense oligonucleotide preparation method
Patent: EP 08565/9-A 289 05-AUG-1998;
BIOGNOSTIK GES (DE)
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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CQ786338 GI:45721440
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synthetic construct
other sequences; artificial sequences.

    16. .16
    /organism="unidentified"
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    /db_xref="taxon:32644"

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Sequence 25 from patent US 6093545.
AR104209
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/organism="unknown"
/mol_type="unassigned DNA"
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1 (bases 1 to 16)
Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
PATER: WO 9833904-A 1583 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
                                                                                                                                                                                       1 (bases 1 to 16)
Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLECTIDE PREPARATION METHOD
PATENT: WO 9833904-A 289 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
Location/Qualifiers
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Sequence 1583 from Patent WO9833904.
A89435 GI:6738005
                                             16 bp 1
Sequence 289 from Patent WO9833904.
A88141.
A88141.1 GI:6736711

    .16
    /organism="unidentified"
    /mol_type="unassigned DNA"
    /db_xref="taxon:32644"

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Sequence 289 from Patent BP0856579.
A90108
A90108.1 GI:6738622
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Brysch, W.D. and Schlingensiepen, K.D.
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/db_xref="taxon:32644"
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/organism="unidentified"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and diagnostic kit for the molecular diagnosis of
pharmacologically relevant genes
Patent: WO 03018837-A 133 06-MAR-2003;
Adnagen AG (DE)
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0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Brca-1 regulators and methods of use
Patent: WO 0170982-A 58 27-SEP-2001;
Immusol Incorporated (US) ; Beger, Carmela (DE)
Location/Qualifiers
                                                                             Beger, C., Barber, J. and Wong-Staal, F.
Brca-1 regulators and methods of use
Patent: WO 0170982-A 24 27-5EP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
Location/Qualifiers
                                                                                                                                                                                       /organism="synthetic construct"
/mol type="unassigned RNA"
/mol type="unassigned RNA"
/mote="Synthetic oligonucleotide"
/note="Synthetic oligonucleotide"
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Sequence 133 from Patent WO03018837.
AX713247
                                             other sequences; artificial sequences
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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              synthetic construct synthetic construct
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Zwick, M. G., Edingcon, B. E., McSwiggen, J. A., Merlo, P. Ann. Owens., Guo, L., Skokut, T. A., Young, S. A., Folkerts, O. and Merlo, D. J. Nucleic acid encoding delta-9 desaturase

Patent: US 6350934-A 523 26-FEB-2002;

Location/Qualifiers
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Sequence 523 from patent US 6350934.
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AR196058.1 GI:20245495
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250euence 24 from Patent WO0170982.
AX255603
AX255603.1 GI:16074659
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Strandechess: Single;
Strandechess: Single;
Topology: Linear;
G protein-coupled receptor and utilization thereof FH Key
Location/Qualifiers
07-AUG-2001
30-JAN-1998 JP 1998532533
31-JAN-1997 EP 97101531.8
XARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
CIZNIS,11,CO7H21/04,A61K31/70
An antisense oligonucleotide preparation method FH
Location/Qualifiers
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1 (bases 1 to 16)
Schlingensiepen, K. H. and Brysch, W.
An antisense oligonucleotide preparation method
Patent: JP 2001511000-A 1583 07-AUG-2001,
BICGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
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Schlingensiepen, K.H. and Brysch, W.
An antisense Oligonucleotide preparation method
Patent: JP 2001511000-A 289 07-AUG-2001;
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30-JAN-1998 JP 1998532533
31-JAN-1997 BF 97101531.8
3. ARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
C12N15/11, C07H21/04, AG1K31/70
An antisense oligonucleotide preparation method FH
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JP 2001511000-A/1583.
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| testosteron<br>testosteron<br>testosteron                   | Human testosterone<br>Human testosterone | steron<br>single<br>single  | gene singl | sense                     | antisense<br>antisense | antisense               | antisense               | TRPM-2 antibense o                 | RT-PCR prim<br>RT-PCR prim<br>RT-PCR prim | TRPM-2        | TRPM-   | TRPM-2     | TRPM-2        | TRPM-2<br>TRPM-2             | or num    | or hun | RNAi for human clu<br>RNAi for human clu | or hu | or hum                                | 9 9  | or h    | Ancisense origonac<br>RNAi for human clu | or hume    | Antisense oligonuc | or huma  | RNAi for human clu | RNA for human clu | RNAi for human clu | Antisense oligonuc                       | RNAi for human clu | ror numan ci<br>sense oligonu          | oligonu            | ror<br>3ene                              | Antisense oligonuc | marke                                    | Human clusterin in | rini<br>Ti                              | Human clusterin in<br>Human clusterin in |
|---|--|---|------------|---------------------------|------------------------|-------------------------|-------------------------|------------------------------------|---|---------------|---|------------|---------------|------------------------------|-----------|--------|--|-------|---------------------------------------|------|---------|--|------------|--------------------|----------|--------------------|-------------------|--------------------|--|--------------------|--|--------------------|--|--------------------|--|--------------------|---|--|
| AAA94232<br>AAA94233<br>AAA94229<br>AAA94226                |  |   |            |                           |                        |                         |                         |                                    |   |               |   |            |               |                              |           |        |  |       |                                       |      |         |  |            |                    |          |                    |                   |                    |  |                    |  |                    |  |                    | ¥ ¥                                      | ABN99680           | ABN99684                                | ABN99686<br>ABN99709                     |
| 222   |  |   |            |                           |                        |                         |                         |                                    |   |               |   |            |               |                              |           |        |  |       |                                       |      |         |  |            |                    |          |                    |                   |                    |  |                    |  |                    |  |                    |  | 200                | 20 7                                    | 20 1                                     |
| 11.33.3   | m m r                                    |   |            | . 6. 6.                   |                        |                         | . H.                    | 7 m.c                              |   | 1<br>1.3      | н н<br>. е.                                       | 1.3        | 1.3           | н н<br>. е.                  | <br>      | 1.3    | <br>                                     | . m : | n n<br>n e                            |      | in r    | . H                                      | . r<br>    |                    | н н<br>т | 6.4                | . H.              | . i.               | 1.1                                      | H .                | . H                                    | 1.3                | . r.                                     | 1.3                | <br>                                     | 1.2                | 7.7                                     | 1.2                                      |
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| gen Ltd.  |  | Search time 8 Seconds<br>thout alignments)<br>80 Million cell undates/sec |            | taaaactgtcttgtgagctg 1643 |                        |                         |                         | 822                                |   |               |   |            | chance to har | result being pistribution.   |           |        | Description                              | based | gen                                   |      | cell    |  | cell       | cell               |          | cell               | cell              | cell               | Renal cell carcino<br>Renal cell carcino | clust              | Human TRPM-2 CDNA<br>Human TRPM-2 CDNA | Human TRPM-2 ampli | Human TRPM-2 amplı<br>Human clusterin ta | clusterin t        | human clusterin ta<br>Human clusterin ta | ome 8p             | Forcine Clusterin<br>Human testosterone | Human testosterone<br>Human testosterone |
| GenCore version 5.1.6<br>Copyright (c) 1993 - 2005 Compugen | nucleic search, using sw model           | September 13, 2005, 10:42:36 ; Sear (without 3,180 Miss )                 | •          | gaccgag                   | IDENTITY NUC           | Gapop 10.0 , Gapext 0.5 | 411 seqs, 7741 residues | hits satisfying chosen parameters: | ength: 8<br>ength: 50                     | Minimum Match | Maximum Match 100%<br>Listing first 411 summaries | rngdb:*    | number of     | to the score<br>of the total | SUMMARIES |        | Watch Length DB ID                       | 32 1  | 1.6 26 1 ABK66659<br>1.5 25 1 ABK6660 | 25 1 | .5 25 1 | .5 25 1<br>.5 25 1                       | .5 25 1    | 222                | .5 25 1  | .5 25 1            | .5 25 1           | .5 25 1            | .5 25 1                                  | .4 23 1            | 23 1                                   | .4 23 1            | .4 23 1<br>.4 23 1                       | .4 23 1            | .4 23 1 .4 .23 1                         | .3 21 1            | 21 1                                    | 21                                       |
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| Chromosome sp clus<br>Human clusterin PC | Control TRPM-2 mis | Human apolipoprote | Human apolipoprote<br>Theory subpression | Tumour suppression | Antisense oligonuc | Western equine enc | Antisense probe 15 | TILIDIE UEITX IOIMI | Ducherine muscurat | DMD gene special | Human PCIAIRE proc | Human PCIAIRE proc | Caenorhabditis ele | HCV coding region- | HCV coding region- | Hepatitis C virus | Hepatitis C virus | RNA1 for human clu | RNAi for human clu | for hu    | for hu             | RNAi for human Clu | Human abolipoprote | Human apolipoprote | Rabbit stromelysin | Human NOGO Hammerh | Human GDMLP-1 17-m | Human MDZ3 scannin | HCV minus strand D | HCV DNAzyme substr | Tumour suppression | HCV DNAzyme substr | Human GDMLP-1 prob | er<br>f   | Allele specific pr |           | HCV minus strand D | HCV DNAzyme substr | KIAA0783 extend pr | MONGO II-2 VACADIO | cape in the cape | MONE OFFICERS TRANSTR | Hepatitis C virus | Rabbit stromelysin | Human B-raf substr | Human NOGO Hammerh | Human GDMLP-1 17-m | Human GDMLP-1 17-m | Human GDMI.P-1 17-m | Himan GDMLP-1 17-m | Human GDMLP-1 17-m | WNV minus strand H | minus stra         | Amberzyme          | Ambers             | Zinzyme su         | minus             | our suppressio     | MDZ3 s             | MDZ3 E             | ın H-Ras           | HCV DNAzyme substr | zınzyme            | iddns              | m                  | Human Phe311Leu mu | Human Phe311Leu mu |
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| 1 AAT39501<br>1 ABN99657                 |                    | AAT4152            |  | ADB4570            | AA05840            |                    |                    |                     |                    |                  |                    |                    |                    |                    |                    |                   |                   |                    |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |           |                    |           |                    |                    |                    |                    |                  |                       |                   |                    |                    |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    | 1 ABX95832         |                    |
| 18                                       |                    |                    |  |                    |                    |                    |                    |                     |                    |                  |                    |                    |                    |                    |                    |                   |                   |                    |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |           |                    |           |                    |                    |                    |                    |                  |                       |                   |                    |                    |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| ط.<br>ط.ط.                               |                    | 1.0                | 0.6                                      | 0.0                | 0.1                | 1.0                | 1.0                | 1.0                 | 0.                 | 1.0              | 1.0                | 1.0                | 1.0                | 1.0                | 1.0                | 1.0               | 1.0               | 1.0                | 1.0                | 1.0       | 1.0                | 1.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0       | 6.0                | 6.0       | 6.0                | 6.0                | 6.0                | 6.0                | o 0              |                       |                   | 0 0                | 0                  | 6.0                | 6.0                | 6.0                | 0.0                 | ى<br>ئ             |                    |                    |                    | 0                  | 0                  | 6                  | 6.0               | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 6.0                | 0                  |
|  | 17.8               | . ' '              | 17                                       | 1 1                | ` vo               | 16.8               | 16                 | 16                  | 16                 | 16               | 16                 | 16                 | 10                 | 10                 |                    | 10                | in                | 10                 | in                 | ıΩ        | 10                 | ın                 | 10                 | ıΩ                 | ın                 | ın                 | LO LO              | LO                 | LO LO              | L LO               | L)                 | 15.4               | ß                  | ß         | ß                  |           | 15                 | 15                 |                    | 4                  | 4.               | σ,                    | 4.4               | * 4                | 4                  | 4                  | 4                  | 4.                 | 14.4                | 4,                 |                    | ; <                | •                  | . 4                |                    |                    | 14.4              |                    |                    | •                  | •                  | •                  | •                  | •                  | •                  | 14.4               | •                  |
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| Human clusterin in<br>Human clusterin in | erin               | clusterin          | clusterin                                | clusterin          | Human clusterin in | clusterin          | clusterin          | Human clusterin in  | clusterin          | clusterin        | clusterin          | clusterin          | clusterin          | clusterin          | clusterin          | clusterin         |                   | clusterin          | clusterin          | clusterin | Human clusterin in | clusterin          | clusterin          | clusterin          | clusterin          | clusterin          | Guaterin           | clusterin          |                    | clusterin          | Clusterin          | clusterin          | clusterin          | clusterin | Human clusterin in | clusterin | clusterin          | clusterin          | clusterin          | Human clusterin in | clusterin        | clusterin             | clusterin i       |                    | clusterin i        | Clusterin i        | Human clusterin in | clusterin          | Human clusterin in  | clusterin          | lusterin           | lusterin           | Human Clusterin in | Human clusterin in | CLU gene rorward P | CLU gene reverse P | DNA for himan clu | Marine Clusterin P | RNAi for human clu | RNAi for human clu | RNA; for human clu | RNA; for human clu | RNAi for human clu | RNAi for himan clu | Human NOVX polypep | Human abolipoprote |                    |
| ABN99711<br>ABN99718                     |                    |                    |  |                    |                    |                    |                    |                     |                    |                  |                    |                    |                    |                    |                    |                   |                   |                    |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |           |                    |           |                    |                    |                    |                    |                  |                       |                   |                    |                    |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 20<br>20<br>1                            |                    |                    |  |                    |                    |                    |                    |                     |                    |                  |                    |                    |                    |                    |                    |                   |                   |                    |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |           |                    |           |                    |                    |                    |                    |                  |                       |                   |                    |                    |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 1.2                                      | 1.2                | 2.5                | 1.2                                      | 1.2                | 1.2                | 1 . c              | , ,                | 1.5                 | 1.2                | 1.2              | 2                  |                    |                    | 1.0                |                    | 3.6               | 7.7               | 1.0                |                    |           | 4.6                |                    | 4 r                | 4 r                |                    | 7.0                | 7 (                | 7.0                | 7.0                | 7.0                | 7.7                | 7 .                | 4.6                | 4.5       | 7.7                | 7.5       | 4.6                | 1.0                | 10                 | 7.7                | 1.2              | 1.2                   | 1.2               | 1.2                | 1.2                | 7.5                |                    | 3.5                | 1.2                 | 1.2                | 1.2                | 1.2                | 1.2                | 1.2                | 1.2                | 1.2                | 2.5               | 2.5                | 7.7                | 7.0                | 7                  | 7:0                | 7.5                | 7.5                | 7.                 | <br><br>           | 1:1                |
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| 107                                      | н,                 | c 110              | 1  | _                  | _                  | ٦.                 | ٦.                 | , –                 | _                  | -                |                    | ٠,                 | , ,                | , ,                | ٠,                 | ٠,                |                   | ٠,                 | ٠,                 |           |                    | ٠.                 |                    | ٠.                 | , .                |                    |                    |                    |                    |                    |                    |                    | ٠.                 |           |                    | ٠.        |                    |                    | • •                |                    |                  |                       | ٠.                |                    |                    |                    |                    |                    |                     |                    |                    |                    |                    |                    |                    | 167                | 168               | 69                 | 2 5                |                    | 277                |                    |                    |                    | 176                |                    |                    |

| Human ERG hammerhe Human ERG Amberzym Mouse Ob receptor MOUSE Ob receptor MNU Amberzyme subs WNV minus strand H WNV minus strand H WNV minus strand A WNV minus strand D WNV minus strand D WNV minus strand D WNV minus strand A WNV minus strand A WNV minus strand A WNV minus strand A   | WANY minus strand I WANY minus strand I WNV minus strand I TUMNOUT suppression NFKB sub-unit modu Human MDZ3 scannin Human MDZ3 scannin Human MDZ3 scannin Human IKK-gamma su Human adenosine Al Human adenosine Al Human adenosine Al Human GNUP Human subbstr HCV DNAZyme substr HCV DNAZyme substr HCV DNAZyme substr HUMAN GDMLP-1 prob Huma   | מפהמרונים כ אזזרפ |
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| imer HP6.  B virus  me substr  me substr  ILP-1 prob  ILP-1 prob | Vbeta point Vbeta point 3 oligonucleo 5 aligonucleo 6 stolerance c 8 tolerance c 9 deagurese 6 obg gene fo 6 eric DNA frag 6 ense oligonuc 7 L.Z recepto 7 L.Z recepto 8 denosine Al 8 denosine Al 8 denosine anti 1 tiss C virus 8 denosine Al 9 denosine Al 8 denosine Al  | PL scannin        |
|  | 18 1 ADH71057<br>15 1 AAP47085<br>17 1 ABK25595<br>17 1 AD1842595<br>17 1 AD184285<br>17 1 AAT05231<br>17 1 AAT05231<br>17 1 AAT05231<br>17 1 AAV65019<br>17 1 AAV65019<br>17 1 AAV65019<br>17 1 AAV65019<br>17 1 AAV6535<br>17 1 AAV65019<br>17 1 AAA030566<br>17 1 AAA000696<br>17 1 AAA000696<br>17 1 AAA000696<br>17 1 ABN006696<br>17 1 ABN006691<br>17 1 ABN006696<br>17 1 ABN006691<br>17 1 ABN00691<br>17 1 ABN00691  | 7                 |
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Primer; ss; DNA microarray; differential expression analysis; human.

Human gene specific PCR primer #747.

Homo sapiens.

(first entry)

ABK66659; 02-JUL-2002

ABK66659 standard; DNA; 26

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                                                                                                                                                                                                                                                                                                                                                                                                                                       The partial amino acid sequences of both chains of the Cytolysis Inhibitor were known. This probe is one of two which were prepared based on the N-terminal sequences of the inhibitor. It corresponds to the sequence DNELGENSNGG. Both probes were radioactively labelled and used screen a liver-specific cDNA library. One clone which hybridised positively to both probes was found to contain a 1.7kb BamHI-KpnI fragment. This was inserted into plasmid pGEM4, to give DSM 5269, and sequenced. See also AAQ11502 and AAQ11503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                 DNA sequence coding for cytolysis inhibitor - is strong inhibitor of terminal complement protein, e.g. perforin secreted by killer cells.
                                                                                                                                                                                                                      Probe based on amino acids 6-15 of the Cytolysis Inhibitor A-chain.
                                                                                                                                                                                                                                    cytolysis inhibitor; perforin; immunological effector molecule;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.7%; Score 27.2; DB 1; Length 32; 00.6%; Pred. No. 23; ve 0; Mismatches 3; Indels
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                                                                                                                                                                    AAQ11501 standard; DNA; 32 BP.
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                                                                                                                                                                                                                                                                                                                                                                  Jenne D;
                                                                                                                                                                                                                                                                                                                                                 (SCHD ) SCHERING AG.
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1991-118338/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
les 29; Conserv
                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                               infertility;
                                                                                                                                                                                                                                                                                                                06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                 06-OCT-1989;
                                                                                                                                                                                                                                                                                DE3933850-A.
                                                                                                                                                                                                     20-JUN-1991
                                                                                                                                                                                                                                                                                                18-APR-1991
                                                                                                                                                                                                                                                                                                                                                                  Tschopp J,
129
                                                                                                                                                                                     AAQ11501;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                    RESULT 1
                                                                                                                                                           AAQ11501
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gacianteachecadeacarchecaaccaded 32

RESULT 2

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The invention relates to producing a sub-population of labeled nucleic acids (NAB) comprising contacting a NA sample from a physiological conditions to enzymatically generate sub-population of NAB, where each conditions to enzymatically generate sub-population of NAB, where each cach labeled NA is generated using a single gene specific primer. The each labeled NA is generated using a single gene specific primer. The comparison of labeled NAB sub-population of labeled NAB which is useful for analysing the differences in the RNA profiles between several different physiological sources, where the method comprises producing cubpopulation of labeled NAB for the different physiological sources, comprising the populations for each physiological sources, comprising the population, where the comparison is preferably difference by physiological sources to an array of probe NAB stably associated with the surface of a substrate to produce a hybridisation pattern for each of the comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, or different is the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where comparing the patterns for each of the sources, where the sequence data for this patent did not form part of the printed comparing the pattern is a formal part of the patint of the pattern of the patint of the pattern of the patint of the pattern of the patint of the patin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 26;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                              Bibilashvilli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 3; SEQ ID NO 747; 11pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 TGCGGATGAAGGACCAGTGTGACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TGCGGATGAAGGACCAGTGTGACAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.6%; Scc..
100.0%; Pre
                                                                                                                                                       99US-00225928
                                                                                                                                                                                                                                   97US-00859998
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                                                                                                                                                                                                                                                                                                                                                                                              Chenchik A, Jokhadze G,
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                                                                                                                                                                                                                                                                                                              (CLON-) CLONTECH LAB INC.
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ABK6660/c
ID ABK66660 standard; DNA;
AC ABK6660;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-314699/35.
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les 26; Conserv
US6352829-B1.
                                                                                                                                                           05-JAN-1999;
                                                                                                                                                                                                                                       21-MAY-1997;
                                                                           05-MAR-2002.
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The invention relate to a method of diagnosing (M1) non-blood disease

such as solid tumor by providing peripheral blood sample of human having

con-blood disease, and comparing an expression profile of specific genes

in the peripheral blood sample to reference expression profile of the

constant of the genes is differentially expressed in peripheral

blood mononuclear cells (PBMCs) of patients having the disease as

compared to PBMCs of normal humans. The method is useful for diagnosing

conpared to PBMCs of normal humans. The solid tumor is chosen from

compared to PBMCs of normal humans. The solid tumor is chosen from

compared to PBMCs of normal humans. The solid tumor is chosen from

compared to DBMCs of normal humans. The solid tumor is chosen from

consideral blood sample comparises enriched PBMCs. The peripheral blood

considerated at differentially expressed in peripheral blood samples

considered at different stages of progression, development or treatment of

condocted by the method

confidence agene that is differentially expressed and detected by the method

contains the nivention.
                   ss, diagnosis, non-blood disease, solid tumor, gene expression, peripheral blood mononuclear cell, renal cell carcinoma, prostate cancer, head/neck cancer, differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            differential expression profile of specific genes in peripheral blood
sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Diagnosing non-blood disease such as solid tumor, involves comparing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Renal cell carcinoma differentially expressed gene probe #998.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trepicchio WL, Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 25 BP; 6 A; 9 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.5%; Scc.
v 100.0%; Pred. No. --
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP
                                                                                                                                                                                                                                                           21-NOV-2003; 2003WO-US037481
                                                                                                                                                                                                                                                                                                          21-NOV-2002; 2002US-0427982P.03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Burczynski ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-AUG-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                              WYETH.
TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-460799/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SLONI D K.
                                                                                                                                                               WO2004048933-A2
                                                                                                                     Homo sapiens
                                                                                                                                                                                                                 10-JUN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Twine NC,
Sloni DK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADP14593;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (DORN/) (STOV/) (SLON/) (SLON/)
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                                                                                                                                                                                                                                                                                                                                                                              (AMHP)
(TWIN/)
(BURC/)
(TREP/)
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ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  acide (NAs) comprising contacting a NA sample from a physiological acource, with a pool of 50 distinct gene specific primers under suitable conditions to enzymatically generate sub-population of NAs, where each gene specific primer has a sequence complementary to a distinct mRNA, and each labeled NA is generated using a single gene specific primer. The method is useful for producing a sub-population of labeled NAs which is useful for manlysing the differences in the RNA profiles between several different physiological sources, where the method comprises producing cubpopulation of labeled NAs for the different physiological sources, comprising the population, where the comparison is preferably differences in the population, where the comparison is preferably comprising the labeled NAs for each of the distinct physiological sources to a substrate to produce a hybridisation pattern for each of the sources, where corresponds and comparing the patterns for each of the sources, where conferences in the produce and normal tissue of the sources, where conferences in the produce and normal tissue e.g. neoplastic a normal expression analysis of diseased a normal tissue e.g. neoplastic a normal companies of the invention. Note:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nument gene agree data for this patent did not form part of the printed anecification. but was obtained in electronic format directly from USPTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to producing a sub-population of labeled nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                  Primer; 88; DNA microarray; differential expression analysis; human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    at http.wipo.seqdata.uspto.gov/sequence.html?DocID=6352829B1
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tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chenchik A, Jokhadze G, Bibilashvilli R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 3; SEQ ID NO 748; 11pp; English.
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                                                                   Human gene specific PCR primer #748.
                                                                                                                                                                                                                                                                                                             99US-00225928.
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Best Local Similarity lou.
The 25; Conservative
                      02-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-AUG-2004 (first entry)
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                                                                                                                                                                                                                                                                                                             05-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                            21-MAY-1997;
                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                05-MAR-2002.
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Stover JA;

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Gaps

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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
conn-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
connection of the genes is differentially expressed in peripheral
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The method is useful for diagnosing
conn-blood disease such as solid tumor. The solid tumor is chosen from
continuous (RCC), prostate cancer and head/neck cancer. The
peripheral blood sample comprises enriched PBMCs. The peripheral blood
cample is a whole blood sample (claimed). (M1) is useful for identifying
content that are differentially expressed in peripheral blood sample
isolated at differentially expressed in development or treatment of
content a gene that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                  Stover JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Renal cell carcinoma differentially expressed gene probe #988.
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Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                  Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25 BP; 8 A; 8 C; 5 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                  Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTACCAGTGGAAGATGCTCAACACC 1112
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100.0%; Pre
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                                                                                                                                                  21-NOV-2003; 2003WO-US037481
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                                                                                                                                                                                                                                                                                                                                                                    Burczynski ME,
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                                                                                                                                                                                                                                                                   떠그
                                                                                                                                                                                                                                  WYETH.
TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-460799/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                    DORNER A. STOVER J A
                                                                                                                                                                                                                                                                                                                                     SLONI D K
                                                                                 WO2004048933-A2
                                                    Homo sapiens
                                                                                                                  10-JUN-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25;
                                                                                                                                                                                                                                                                                                                                                                    Twine NC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1088
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                                                                                                                                                                                                                                                                                                                                                                                  Sloni DK;
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                                                                                                                                                                                                                                                                                                                  (STOV/)
                                                                                                                                                                                                                                   (AMHP)
                                                                                                                                                                                                                                                                                                    DORN/)
                                                                                                                                                                                                                                                                   (BURC/)
                                                                                                                                                                                                                                                     (\NIMI)
                                                                                                                                                                                                                                                                                    TREP/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample is a whole blood sample (Claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene, that is differentially expressed and detected by the method
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ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                       Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ss; diagnosis; non-blood disease; solid tumor; gene expression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Renal cell carcinoma differentially expressed gene probe #983.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 25;
19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.5%; Score 25; DB ilarity 100.0%; Pred. No. 19; Conservative 0; Mismatches
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                                                                                                                                                                     21-NOV-2003; 2003WO-US037481
                                                                                                                                                                                                      21-NOV-2002; 2002US-0427982P
                                                                                                                                                                                                                    03-APR-2003; 2003US-0459782P
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                                                                                                                                                                                                                                                                                                                                                                                     Burczynski ME,
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                                                                                                                                                                                                                                                                                      떠난
                                                                                                                                                                                                                                                                 (TWAIN/) TWINE N C.
(BURC/) BURCZYNSKI M E
(TREP/) TREPICCHIO W L.
(DORN/) DORNER A.
(STOV/) SLOVER J A.
(SLON/) SLONI D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-460799/43.
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Best Local Similarity
Matches 25; Conser
                                                                                                    WO2004048933-A2
                                                                                                                                                                                                                                                      (AMHP ) WYETH
                                                                     Homo sapiens
                                                                                                                                    10-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                       Iwine NC,
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Gaps

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Stover JA;

Dorner A,

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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
cc non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
cgenes, where each of the genes is differentially expressed in peripheral
cc blood monnolear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The solid tumor is chosen from
compared to PBMCs of normal humans. The solid tumor is chosen from
compared to ample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood sample
cs isolated at different stages of progression, development or treatment of
cRC and/or other solid tumors. This sequence corresponds to a probe to
detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 25 BP; 2 A; 9 C; 8 G; 6 T; 0 U; 0 Other;
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100.0%; Pred. No. 1.,
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Burczynski ME, Trepicchio WL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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BURCZYNSKI M E
TREPICCHIO W L
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                                                                                                                                                                                                                                                                                                                                              DORNER A. STOVER J A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     of the invention
                                                               WO2004048933-A2.
                                                                                                                                                                                                                                                            WYETH
                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-AUG-2004
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Sloni DK;
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(BURC/)
(TREP/)
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head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25 BP; 5 A; 8 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ilarity 100.0%; Pred. No. 19;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 1319; 350pp; English.
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                                                                                                                                                                        21-NOV-2003; 2003WO-US037481.
                                                                                                                                                                                                                   21-NOV-2002; 2002US-0427982P. 03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Twine NC, Burczynski ME, Sloni DK,
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                                                                                                                                                                                                                                                                                                        TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-460799/43
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Best Local Similarity
Matches 25; Conserv
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                                                                                    WO2004048933-A2
                                             Homo sapiens
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(TREP/)
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Trepicchio WL, Dorner A, Stover JA;

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Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                             21-NOV-2003; 2003WO-US037481.
                                                                                       21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
                                                                                                                                                                                                                                 Twine NC, Burczynski MB,
Sloni DK;
                                                                                                                                                       떠그
                                                                                                                            WYETH.
TWINE N C.
BURCZYNSKI M F
                                                                                                                                                                                                                                                                     WPI; 2004-460799/43.
                                                                                                                                                                              DORNER A.
STOVER J A.
                                                                                                                                                                                                       (STON/) STONI D K.
              WO2004048933-A2,
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                                     10-JUN-2004
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(STOV/)
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                                                                                                                                                                   (TREP/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relate to a method of diagnosing (MI) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral constant of the genes is differentially expressed in peripheral compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample is a whole blood sample (Claimed). (MI) is useful for identifying sense that are differentially expressed in peripheral blood samples is isolated at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                      Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                             Stover JA;
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                                                                                                                                                                                                                                             Dorner A,
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                                                                                                                                                                                                                                                                                                                                                         Disclosure, SEQ ID NO 1326, 350pp; English.
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 19;
Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                           Trepicchio WL,
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                                                                                                 21-NOV-2002; 2002US-0427982P.03-APR-2003; 2003US-0459782P.
                                                                         21-NOV-2003; 2003WO-US037481
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                                                                                                                                                                                                                                           Burczynski ME,
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                                                                                                                                       WYETH.
TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
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                                                                                                                                                                                         DORNER A. STOVER J A.
                                                                                                                                                                                                                  SLONI D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the invention.
                      WO2004048933-A2
Homo sapiens
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                                                10-JUN-2004
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                                                                                                                                                               (BURC/)
(TREP/)
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ADP14585
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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
genes, where each of the genes is differentially expressed in peripheral
blood mononclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The
peripheral blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood samples
isolated at different stages of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
detect a gene that is differentially expressed and detected by the method
of the invention.
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Stover JA;

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such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes is differentially expressed in peripheral blood sample to reference expression profile of the genes is differentially expressed in peripheral blood monounclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosting non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples isolated at different stages of progression, development or treatment of RC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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tive 0; Mismatches
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                                                                    21-NOV-2003; 2003WO-US037481
                                                                                                                  21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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TWINE N C.
BURCZYNSKI M E.
HREPICCHIO W L.
DORNER A.
STOVER J A.
SLONI D K.
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                        10-JUN-2004
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Sloni DK;
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8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 25 BP; 8 A; 7 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 1323; 350pp; English.
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                                                                                          21-NOV-2003; 2003WO-US037481
                                                                                                                                        21-NOV-2002; 2002US-0427982P.
                                                                                                                                                              03-APR-2003; 2003US-0459782P
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1es 25; Conservative
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BURCZYNSKI M B.
TREPICCHIO W L.
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WO2004048933-A2.
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                                           10-JUN-2004.
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TWINE N C. BURCZYNSKI M E TREPICCHIO W L

DORNER A. STOVER J A.

SLONI D K.

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Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
         21-NOV-2003; 2003WO-US037481
                                   21-NOV-2002; 2002US-0427982P
                                               03-APR-2003; 2003US-0459782P
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(BURC/)
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ADP14588
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such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
genes, where each of the genes is differentially expressed in peripheral
blood mononuclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
non-blood disease such as solid tumor. The solid tumor is chosen from
con-blood disease such as solid tumor. The solid tumor is chosen from
peripheral blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood samples
closlated at different stadges of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
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                                                                                                                                                                                         Trepicchio WL,
                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 1320; 350pp; English
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                          21-NOV-2003; 2003WO-US037481.
                                                   2002US-0427982P
                                                               03-APR-2003; 2003US-0459782P
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Matches 25; Conservative
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BURCZYNSKI M E.
TREPICCHIO W L.
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  10-JUN-2004
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Sloni DK;
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                                                                                                  (TWIN/) TO (BURC/) E (TREP/) TO (BORN/) I (STOV/) E (SLON/) E (SLON/) E
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having con-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the compared of the genes is differentially expressed in peripheral compared of the genes is differentially expressed in peripheral compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from con-blood sample comprises enriched PBMCs. The peripheral blood sample (Calined). (M1) is useful for identifying sample is a whole blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples compared at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25 BP; 7 A; 9 C; 6 G; 3 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 1322; 350pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCAGAGAGACTCTGCACGTCACCA
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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
genes, where each of the genes is differentially expressed in peripheral
blood mononuclear cells (PBMCs) of patients having the disease as
blood mononuclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The
peripheral blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood samples
isolated at different stages of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
detect a gene, that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ss; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                   Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                              Burczynski ME, Trepicchio WL, Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 25 BP; 5 A; 8 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Prec.
                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 1328; 350pp; English.
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                21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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                                                                                  TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
STOVER J A.
                                                                                                                                                                                                                                                                   WPI; 2004-460799/43.
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                                                                                                                                                                             SLONI D K.
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Sloni DK;
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                                                                                                                                        (DORN/)
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                                                                                                                         TREP/)
                                                                                                       (BURC/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral blood monounclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is a whole blood sample (claimed). (M1) is useful for identifying genes that are different stages of progression, development or treatment of
                                                                                                                                                                                                                                                                                                                  Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.5%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
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- αν. 0; Mismatches
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                                                                                                                                                                                                                                Trepicchio WL,
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                                 21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
21-NOV-2003; 2003WO-US037481
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1es 25; Conservative
                                                                                                   TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
                                                                                                                                                       DORNER A.
STOVER J A.
SLONI D K.
                                                                                                                                                                                                                                                                                  WPI; 2004-460799/43.
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Sloni DK;
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                                                                                                                       (BURC/)
(TREP/)
(DORN/)
(STOV/)
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Iwine NC,
Sloni DK;
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                                                               (DORN/)
                                                    (TREP/)
                                 LMIN/
                                           BURC/)
                                                                                                                           Sloni
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ADP14591
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such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
genes, where each of the genes is differentially expressed in peripheral
blood monounclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The
peripheral blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood samples
isolated at different stages of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ss; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                          Burczynski ME, Trepicchio WL, Dorner A, Stover JA;
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                                                                                                                                                                                                                               Disclosure, SEQ ID NO 1315; 350pp; English.
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21-NOV-2002; 2002US-0427982P. 03-APR-2003; 2003US-0459782P.
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                                                      BURCZYNSKI M
TREPICCHIO W
                                                                              DORNER A.
STOVER J A.
                                                                                                                                                            WPI; 2004-460799/43
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Best Local Similarity
                                                                            (DORN/) DORNER A.
(STOV/) STOVER J A
(SLON/) SLONI D K.
                                            TWINE N C.
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Sloni DK;
                               AMHP )
                                                       (BURC/)
(TREP/)
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The invention relate to a method of diagnosing (M1) non-blood disease

such as solid tumor by providing peripheral blood sample of human having

con-blood disease, and comparing an expression profile of specific genes

in the peripheral blood sample to reference expression profile of the

genes, where each of the genes is differentially expressed in peripheral

blood monnoulear cells (PBMCs) of patients having the disease as

compared to PBMCs of normal humans. The method is useful for diagnosing

non-blood disease such as solid tumor. The solid tumor is chosen from

compared to PBMCs of normal humans. The solid tumor is chosen from

compared to PBMCs of normal humans (RCC), prostate cancer and head/neck cancer. The

peripheral blood sample comprises enriched PBMCs. The peripheral blood

sample is a whole blood sample (claimed). (M1) is useful for identifying

genes that are differentially expressed in peripheral blood samples

contacted at different stages of progression, development or treatment of

RCC and/or other solid tumors. This sequence corresponds to a probe to

detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                           Dorner A, Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                       Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 1317; 350pp; English
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03-APR-2003; 2003US-0459782P.
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                                                                                                      TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
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Twine NC, Sloni DK;

(BURC/) (TREP/) (DORN/) (STOV/)

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperpoliferative disorders, and hyperplaining in an animal with a disease or condition associated with hyperpoliferative disorders, and hyperplaining and physical and physical disorders. The present DNA sequence represents a PCR primer used to amplify the human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-senaitive prostatic cancer cells to the androgen-independent state, in vivo or in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRPM-2; testosterone-repressed prostate message-2; cytostatic; RT-PCR; androgen; prostate cancer; anti-apoptotic protein; antisense; primer; ss.
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                                                                                                               Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 23; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monia BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human TRPM-2 cDNA amplifying RT-PCR antisense primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23 BP; 5 A; 6 C; 5 G; 7 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               789 CTTGAGATGATACACGAGGCTCA 811
                                                                                                                                                                                                               Example 13; Page 80; 125pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23 CTTGAGATGATACACGAGGCTCA 1
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ACF36411 standard; DNA;
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                      Freier SM;
                                                                    WPI; 2002-404805/43.
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                      BP,
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                         Monia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relate to a method of diagnosing (MI) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes is differentially expressed in peripheral blood annohuclear cells (PBMCs) of patients having the disease as the compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from compared to PBMCs, prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (MI) is useful for identifying genes that are differentially expressed in peripheral blood samples? isolated at different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method contract of the invention.
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                                                                                                                                                                                                                                                                                                                                  Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                  Stover JA;
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                                                                                                                                                                                                                  Dorner A,
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:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 1327; 350pp; English.
                                                                                                                                                                                                               Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1562 CTAACACTCGACTCTGCTCATG 1586
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                                                                                                                                                                                                               Burczynski ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 25; Conservative
                                           TWINE N C.
BURCZYNSKI M B.
TREPICCHIO W L.
DORNER A.
STOVER J A.
SLONI D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC.
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21-MAR-2002

ABN99658;

RESULT 20 ABN99658/

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Gaps

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PCR primer for amplifying the anti-apoptotic protein TRPM-2 (testosterone

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy, and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACR5638 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in viro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, calls (prostatic, renal, non-small cell) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and increase stability in vivo and activity (both in vivo or in vitro) and chemotherapeutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. The present sequence represents a RT-
                                                                                                                                                                                                                                                                                                                                                   ö
vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breat cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antiapopotic genes. The present sequence represents a RT-PCR primer for amplifying the anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TRPM-2; testosterone-repressed prostate message-2; cytostatic; RT-PCR; androgen; prostate cancer; anti-apoptotic protein; antisense; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                Sequence 23 BP; 7 A; 8 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human TRPM-2 cDNA amplifying RT-PCR sense primer.
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                                                                                                                                                                                                                                                                                                         1.4%; Score 23; DB 100.0%; Pred. No. 28; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                           957 AAGTGCCGGGAGATCTTGTCTGT 979
                                                                                                                                                                                                                                                                                                                                                                                                                      23 AAGTGCCGGGAGATCTTGTCTGT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACF36410 standard; DNA; 23 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                               Best Local Similarity
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                                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                           Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; ss.
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                                                                        Length 23;
                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zellweger
                                            Sequence 23 BP; 11 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                Human TRPM-2 amplifying antisense RT-PCR primer.
                                                                        DB 1;
28;
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                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 17; 14pp; English.
                                                                        Score 23;
Pred. No.
                                                                                                                                    177 AAGGAAATTCAAAATGCTGTCAA 199
               -repressed prostate message-2) cDNA
                                                                                                                                                              AAGGAAATTCAAAATGCTGTCAA 23
                                                             1.4%; SCC_
100.0%; Pred
0; N
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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ADM83082 standard; DNA; 23
                                                                                                                                                                                                                                                                                                  03-JUN-2004 (first entry)
                                                                                                      23; Conservative
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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                                                                      Query Match
Best Local Similarity
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Matches 23; Conserv
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20-MAY-2004
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Gonos ES;
ADL70521;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM amplifying RT-PCR primer. The primer is used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                               Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; raddation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 23; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zellweger T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 23 BP; 11 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Miyake H, Nelson C,
                                                                                                                                                                                   Human TRPM-2 amplifying sense RT-PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 16; 14pp; English.
957 AAGTGCCGGGAGATCTTGTCTGT 979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            177 AAGGAAATTCAAAATGCTGTCAA 199
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                          Н
                 AAGTGCCGGGAGATCTTGTCTGT
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                        28-SEP-2001; 2001US-00967726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL70521 standard; cDNA; 23
                                                                                               ADM83081 standard; DNA; 23
                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GLEAVE M.
RENNIE P S.
MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the invention.
                                                                                                                                                                                                                                                                                                                US2003158130-A1.
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                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                        03-JUN-2004
                                                                                                                                                                                                                                                                                                                                              21-AUG-2003
                                                                                                                            ADM83081;
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(NELS/) N
(ZELL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GLEA/)
                                                                    RESULT 24
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ID ADL7
XX
                                                                                   ADM83081
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The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL/0522-ADL/0523. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplactic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                              RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gleave ME, Signaevsky M, Beraldi E,
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100.0%; Pred. No. 28;
iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 6; SEQ ID NO 66; 63pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GCATGATGAAGACTCTGCTGCTG 23
                                                                           Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human clusterin target for RNAi.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2003; 2003WO-CA001277.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        03-SEP-2002; 2002US-0408152P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAY-2003; 2003US-0472387P.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004018676-A2
                                                                                                                                                                                                                                                                                                            Homo sapiens.
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10828394-1 1-1643.rng.sl

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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                                                                                                                                                                                                                                                                                               Example 6; SEQ ID NO 60; 63pp; English.
                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA
                                                                  21-AUG-2003; 2003WO-CA001277.
                                                                                          21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                 WO2004018676-A2
                                          04-MAR-2004
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                                                                                                                                                                      Jansen B,
Gonos ES;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70513-DL70513-L twas used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, an amplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                    New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
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RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                            Trougakos IP;
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                                                                                                                                                                                                                                            Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23 BP; 5 A; 9 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.4%; Score 23; DB
100.0%; Pred. No. 28;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                   Example 6; SEQ ID NO 57; 63pp; English
                                                                                                                                                                                                                                           Signaevsky M,
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                                                                                                                                                               21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                 (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                       21-AUG-2003; 2003WO-CA001277.
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Best Local Similarity 100.
Matches 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Alzheimer's disease.
                                                                                                                                                                                                                                          Gleave ME,
                                                                                                                                                                                                                                                                              WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                            disease or cancer.
                                                                                      MO2004018676-A2
                                                  sapiens.
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Synthetic.
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                                                                                                               04-MAR-2004
                                                               Synthetic.
                                                                                                                                                                                                                                          Jansen B,
                                                                                                                                                                                                                                                       Gonos ES;
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The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70316-ADL70317. It was used in an example from the invention to demonstrate clusterin gene silenchig in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SirNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing; DNA-RNA hybrid;
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tive 0; Mismatches
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Best Local Similarity 100...
Thes 23; Conservative
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Gaps

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The present sequence is a PCR primer for the porcine clusterin gene. Clusterin (also known as complement cytolysis inhibitor, sulfated glycoprotein-2, testosterone repressed prostate message-2, SP-40, 40 and ApoJ) is essential for the migration of vascular smooth muscle cells (VSMC). The gene and protein can, therefore, be used to promote wound healing, angiogenesis and vasculogenesis, in the treatment of stenosis following vascular trauma or disease and to treat atherosclerosis, and antisense sequences can be used to treat cancer, as angiogenesis is vital for tumour survival
                                                                                                                                                                                  The present sequence is a human chromosome 8p clustrin gene (CL1) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
                                                          Isolated human steroidogenesis acute regulatory protein gene - used for detection of mutation(s) of this gene that cause congenital lipoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Clusterin and gp38K-related peptide capable of altering cell migration useful for treating atherosclerosis, cancer and stenosis following
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pig, clusterin, cell migration, wound healing; angiogenesis; cancer; vascular trauma; vascular disease; atheroscilerosis; restenosis; complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2;
                                                                                                                                                                                                                                                                                                                1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; 0; Indels ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                            Sequence 21 BP; 8 A; 5 C; 6 G; 2 T; 0 U; 0 Other;
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                                                                                                                                              Example 7; Page 51; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Porcine clusterin PCR primer #1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAA52783 standard; DNA; 21
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                                                                                                                                                                                                                                                                                                                                                                21; Conservative
                                                                                                                                                                                                                                                                                                                                            Local Similarity
                  WPI; 1996-443130/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-431300/37.
                                                                                                     adrenal hyperplasia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200034469-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-JAN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAA52783;
                                                                                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70519-ADL70520. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large call lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chromosome 8p clustrin gene (CL1) specific primer (nt 2504-2524)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chromosome 8p; polymerase chain reaction; PCR; primer; CL1; clustrin gene; human; steroidogeneis; acute regulatory protein; regional mapping; confirmation; hStAR; ss.
                                                                                                                                                Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1; Length 23; 28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 23 BP; 10 A; 4 C; 1 G; 8 T; 0 U; 0 Other;
                                                                                                                                              Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.4%; Score 23; DB
.00.0%; Pred. No. 28;
.ve 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                  Example 6; SEQ ID NO 63; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1613 AACTAATTCAATAAAACTGTCTT 1635
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                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT39500 standard; DNA; 21 BP
               21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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(UYPE-) UNIV PENNSYLVANIA.
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                                                                                                                                                Jansen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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Query Match Best Loca Matches

RESULT 29 AAT39500

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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as olusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
                                                                                                                                                                                                                                                                                                                                              Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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                                Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human testosterone-repressed prostate message-2 antisense oligo #6.
Human testosterone-repressed prostate message-2 antisense oligo #7.
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Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.3%; Scc. 100.0%; Pred. No. 5...
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                                                                                                                                                                                                                                                                                   Nelson C;
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                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 37; 38pp; English
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                                                                                                                                                                                                                                                                                     Miyake H,
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                                                                                                                                                                                                                                                                                                                    WPI; 2000-533132/48.
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ses 21; Conserv
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                                                                                         Homo sapiens
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                                                            Gaps
                                                                                                                                                                                                                                                                                                        Human testosterone-repressed prostate message-2 antisense oligo #3
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                           DB 1; Length 21; 39;
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100.0%; Pred. No. 5.,
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                           1.3%; Score 21; DB
llarity 100.0%; Pred. No. 39;
Conservative 0; Mismatches
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                                                                                              274 AAGCCAAGAAGAAGAAGAGG 294
                                                                                                                          1 AAGCCAAGAAGAAGAAGAGG 21
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Best Local Similarity
Matches 21; Conserv
                                                Similarity
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                                                              21;
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AAA94231/

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Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;

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                                                                                                                                                   human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligomucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal call cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
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                                               Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
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                                                                                                                                     an antisense oligonucleotide directed at the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human testosterone-repressed prostate message-2 antisense oligo #8.
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                                                                                                                                                                                                                                                                                                                                                 1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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                                                                                                      Example 5; Page 37; 38pp; English
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Matches 21; Conservative
                                                                                                                                      present sequence is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                                                                                                                                                                                                                                            Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
                                 Gaps
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1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
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                                                                1115 CTCCTTGCTGGAGCAGCTGAA 1135
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                                                                                  21 CTCCTTGCTGGAGCAGCTGAA 1
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                                  21; Conservative
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                    Best Local Similarity
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les 21; Conser
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Matches
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                                                                                                                                                                                                                                                                                                                            Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                        Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
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              Human testosterone-repressed prostate message-2 antisense oligo #5
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Matches 21; Conserv
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                                                                                                                                                    human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemospenitivity of the cells, meaning that conventional chemotherapy is
                                                             prostatic tumors and renal cancers by antisense inhibition of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss.
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                                                                                                                                           present sequence is an antisense oligonucleotide directed at
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                                                                             the testosterone-repressed prostate messenger-2 gene
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 Nelson
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Pred. No.
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Miyake H,
                                                                                                             Claim 3; Page 36; 38pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                       ATGATGAAGACTCTGCTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                   48 ATGATGAAGACTCTGCTGCTG
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Rennie PS,
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                                 WPI; 2000-533132/48.
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Gleave M,
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The present sequence is an antisense oligonucleotide directed at the human testostezone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is
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                                                                                                                                                                                                                                                                                                                                                                                                       Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                  Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                               Human testosterone-repressed prostate message-2 antisense oligo #1.
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/standard name= "Single nucleotide polymorphism"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 CCGAGGCGTGCAAAGACTCCA 36
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Best Local Similarity 100...
Best 21; Conservative
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 12-JAN-2001
                                                                                                                         Homo sapiens.
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06-JUN-2001
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Unidentified
                                                                                                                                                                                             31-AUG-2000.
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variation
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                                                                                        Gaps
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Pred. No. 39;
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39;
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                  Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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                                            Query Match
Best Local Similarity 100.0%; Pred. No. 33;
...hea 21; Conservative 0; Mismatches
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100.0%; Pred
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                                                                                                                                               AGGCCCCCAACTCCGCCCAGC 1
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Local Sim-
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Best Loca Matches

ò 유 AAA94225/c ID AAA94 XX AC AAA94 XX

RESULT 40

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Gaps

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(WHED ) WHITEHEAD INST BIOMEDICAL RES.
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                                                                                                                                             10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
                                                                                                                                                                                                                                                   (MILL-) MILLENNIUM PHARM INC
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                       WO200118250-A2
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Unidentified.
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                                                              15-MAR-2001
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polymorphism; vascular disease; coronary artery disease; forensics;
myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
pulmonary embolism; paternity test; ds.
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/standard_name= "Single nucleotide polymorphism"
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16-AUG-2000; 2000US-0225724P.
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(first entry)
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Best Local Similarity 100.
Matches 21; Conservative
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WO200118250-A2
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Unidentified
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06-JUN-2001
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variation
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  80 X C C C C C C C C C X S X L L L X X D X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X
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    Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                       Nucleic acids comprising single nucleotide polymorphisms, useful in
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
    Daley GQ,
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Bolk S,
    Ireland JS,
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4atches 21; Conservative
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ABN99659 standard; DNA;
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Matches 21; Conserv
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                                 WO200118250-A2
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                                                     15-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                 Mccarthy JJ;
                                                                                                                                                                                                        Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
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/standard_name= "Single nucleotide polymorphism"
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100.0%; Pred. No. 39;
iive 0; Mismatches 0; Indels
                                                                                                                                                                 Daley GQ,
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                                                                                                                                WHITEHEAD INST BIOMEDICAL RES
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                                                                 07-SEP-2000; 2000WO-US024503.
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2000US-0225724P.
                                                                                                                                          (MILL-) MILLENNIUM PHARM INC
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Les 21; Conservative
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                     WO200118250-A2
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Unidentified
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06-JUN-2001
                                           15-MAR-2001
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Best Local S
Matches 21
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in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the disgnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPS) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
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/standard_name= "Single nucleotide polymorphism'
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                                                                                                                                                                                                                                                                                                                                                                                                                        (WHED ) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC.
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26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-025724P.
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(UYBR-) UNIV BRITISH COLUMBIA,
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                                                                                                                                                                              antisense oligonucleotide
                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                              Local Similarity
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                                                                                                                                                                                                                                         Matches
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                                                                                                                                                           The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperlipidemic disorders). The present bNA sequence represents a PCR probe specific for the human clusterin gene. NOTE: The present sequence is labelled with a fluorescent reporter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                            Sequence 21 BP; 3 A; 10 C; 3 G; 5 T; 0 U; 0 Other;
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100.0%; Pred. No. 39;
cive 0; Mismatches
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                                                                                                                                         Example 13; Page 80; 125pp; English.
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10-SEP-2001; 2001WO-US028235
                   11-SEP-2000; 2000US-00659791
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Matches 21; Conservative
                                      (ISIS-) ISIS PHARM INC
                                                           Freier SM;
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a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the cremaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACP36398 (I) is used: (a) to delay progression of androgen-sensitive control 
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invention relates to a compound consisting of an oligonucleotide with
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The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACR5638 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell) lung, urothalial transitional, ovarian and some breast cancer calls) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and crease tability in vivo and activity (both in vivo or in vitro) and chemotherapeutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. Sequences ACR36399-406 represent
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androgens to induce apoptosis); and (c) to increase sensitivity of cancer
                 cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapoutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. Sequences ACF36199-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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nes 21; Conservative
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ACF36406/c
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antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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iive 0; Mismatches 0; Indels
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tive 0; Mismatches 0; Indels
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                                                    Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                    TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                      TRPM-2 antisense oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 5; Page 41; 44pp; English
                                                                                                                                                                                                                                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA.
ACF36401 standard; DNA; 21 BP
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                                                                                                                                                                                                                                                                                                                                                              Gleave M, Rennie PS,
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                                                                                                                                                                                                            WO2003072591-A1.
                                                                                                                                                                               Homo sapiens.
                                                          18-DEC-2003
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                                                                                                                                                                Synthetic
                            ACF36401;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a phosphorochioate backbon throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy, and (b) the cytosines at positions 1, 4 and 19 are 5'-deoxy, and (b) the cytosines at positions 1, 4 and 19 are 5-methylated Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vito, (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other anisense oligonucleotides directed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a compound consisting of an oligonucleotide with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 against other antiapoptotic genes. Sequences AČF36399-406 represent
antisense oligonucleotides targeted against human anti-apoptotic protein
TRPM-2 (testosterone-repressed prostate message-2) gene
                                                                                                                                                                                                                                        TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
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100.0%; Pred. No. 39;
.ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Miyake H, Nelson C,
                                                                                                                                                                                                            TRPM-2 antisense oligonucleotide #8
              114 GACCAGACGGTCTCAGACAAT 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 5; Page 41; 44pp; English
                                       21 GACCAGACGGTCTCAGACAAT 1
                                                                                                                    BP.
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                                                                                                                    ACF36402 standard; DNA; 21
                                                                                                                                                                              (first entry)
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Best Local Similarity 100...
Local 21; Conservative
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                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                  ACF36402;
                                                                                                  RESULT 50
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Monia BP;

Nelson C,

Miyake H,

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The invention relates to a compound consisting of an oligonuclectide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence created and repeated on the conference of the conference of the androgen-sindependent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing cancer calls (prostatic renal, non-small cell lung, urothelial transitional, cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and cresult in a synergistic increase in effect when (1) is used with chemotherapeutic agents or other antisense oligonucleotides targeted against thuman anti-apoptotic protein and property or median antisense oligonucleotides targeted against thuman anti-apoptotic protein and property or mediants and activity (both in vivo and present antisense oligonucleotides targeted against thuman anti-apoptotic protein and property or mediants and process and process of the protein and process and
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Pred. No. 39;
0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pr
Matches 21; Conservative 0;
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Gaps .; 0

716 CCGCATCGTCCGCAGCTTGAT 736

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RESULT 51 ACF36401/c

Monia BP;

Nelson C,

Miyake H,

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New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                          UYBR-) UNIV BRITISH COLUMBIA
                                                                      22-FEB-2002; 2002US-00080794.
                                   20-FEB-2003; 2003WO-US005305
                                                                                                                                             Rennie PS,
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04-SEP-2003.
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                                                                                                                                             Gleave M,
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ACF36404/c
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 TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen;
prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                against other antiapoptotic genes. The present sequence represents a specific example of an anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) antisense oligonucleotide
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                           Monia BP;
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                                                      Synthetic.
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Matches
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Pred. No. 39;
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Example 5; Page 41; 44pp; English
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ACF36404 standard; DNA; 21 BP.
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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of ACF36398 (I) is used: (a) to delay progression of androgen-sensitive correct cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer calls) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) in crease stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed
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                                                                                                                                                                                                                                                                                                                                                                                                                                     against other antiapoptotic genes. Sequences AČF36399-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein
                                                                New modified antisense oligonuclectide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2
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BP;
Monia
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Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. No. 39;
live 0; Mismatches
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                                                                                                                           Example 5; Page 41; 44pp; English
Miyake H,
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Best Local Similarity 100.(
Matches 21, Conservative
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Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-689981/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-SEP-2003.
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 Gleave M,
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Example 5; Page 40; 44pp; English

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotides seldues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at posttions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence constraints and 19 are 5-methylated. Oligonucleotide shown in sequence constraints and 19 are 5-methylated. Oligonucleotide shown in sequence confortable (b) to treat prostatic cancer (after initially withdrawing control induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and created against the asynergistic increase in effect when (1) is used with conforted against other antiapoptotic genes. Sequences ACF36399-406 represent antisense oligonucleotides targeted against them anti-apoptotic protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention relates to novel methods of screening to identify epigenetically silenced genes. Specifically, it refers to the detection of epigenetically silenced tumour suppressor genes in cancer cells, which are transcriptionally inactive due to aberrant methylation at normally
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying at least one epigenetically silenced gene associated with cancer useful for treating cancer comprises contacting an array of genome with nucleic acid molecule that reactivates expression of epigenetically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           human; primer; RT-PCR; PCR; ss; epigenetically silenced gene; tumour suppressor; cancer; proliferative disorder; head and neck cancer; oesophageal squamous cell carcinoma; BSCC; gene therapy; methyltransferase inhibitor; 5Aza-dC; histone deacetylase inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human RT-PCR primer to amplify an epigenetically silenced gene (SeqID27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                           TRPM-2 (testosterone-repressed prostate message-2) gene
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 2 A; 6 C; 3 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 21; DB 1;
; Pred. No. 39;
0; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; SEQ ID NO 27; 97pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              316 AATCAGAGACAAAGCTGAAGG 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 AATCAGAGACAAAGCTGAAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.3%; 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-MAR-2002; 2002US-0362577P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (UYJO ) UNIV JOHNS HOPKINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADF75347 standard; DNA; 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-SEP-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 56
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predisposition to, or exhibiting, unregulated growth. Accordingly, objigonation to, or exhibiting, unregulated growth. Accordingly, objigonationtectides of the genes identified herein are useful for detecting coscophageal squamous cell carcinoma (ESCC) or neck squamous cell carcinoma. Furthermore, treatment can occur via gene therapy, using a histonic deacetylase inhibitor to restore expression of at least one methylation silenced gene in cancer cells. This oligonucleotide sequence is an RT-PCR primer used to amplify those genes that were up-regulated as a result of treatment with a demethylation agent i.e epigenetically

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Seguence 21 BP; 5 A; 8 C; 3 G; 5 T; 0 U; 0 Other;

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cc markers for immortalised and transformed cells and hence can be used to diagnose various proliferative disorders, particularly oseophageal cancer and head and neck cancer. The present invention describes a genomic and head and neck cancer. The present invention describes a genomic correning method to identify silenced genes in a cell suspected of a predisposition to, or exhibiting, unregulated growth. Accordingly, colloponucleotides of the genes identified herein are useful for detecting coepophageal squamous cell carcinoma (ESCC) or neck squamous cell carcinoma. Furthermore, treatment can occur via gene therapy, using a demethylation agent such a methyltransferase inhibitor (5Aza-dC) or a histone deacerylase inhibitor to restore expression of at least one methylation silenced gene in cancer cells. This oligonucleotide sequence is an RT-PCR primer used to amplify those genes that were up-regulated as a result of treatment with a demethylation agent i.e epigenetically silenced genes of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human RT-PCR primer to amplify an epigenetically silenced gene (SeqID28)
                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; primer; RT-PCR; PCR; 88; epigenetically silenced gene; tumour suppressor; cancer; proliferative disorder; head and neck can oesophageal squamous cell carcinoma; BSCC; gene therapy; methyltransferase inhibitor; SAza-dC; histone deacetylase inhibitor.
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                                                                                                                                                                                                                                                                                                                 1.3%; Score 21; DB 1; Length 21;
                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                     Sequence 21 BP; 6 A; 10 C; 3 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                   100.0%; Pred. No. 39; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                       994 ACAACCCTCCCAGGCTAAGC 1014
                                                                                                                                                                                                                                                                                                                                                                                                              1 ACAACCCTCCCAGGCTAAGC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADF75348 standard; DNA; 21 BP
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                                                                                                                                                                                                                                                                                                                                     Local Similarity 100.
nes 21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sidransky D;
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                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                        Matches
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                                                                                                                                                                                                                            Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                         Gapa
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1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;
                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nelson C, Zellweger T;
                                                                                                                                                                                                                                                                                                                                                                 /mod_base= OTHER
/note= "Phosphorothioate backbone"
                                                                                                                                                                                                       Human TRPM-2 antisense oligonucleotide #10.
        100.0%; Prec.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 10; 14pp; English
                                               1334 ATTTATGGAGACCGTGGCGGA 1354
                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Miyake H,
                                                             21 ATTTATGGAGACCGTGGCGGA 1
                                                                                                                                                                                                                                                                                                                                                              base= OTHER
                                                                                                                                  BP.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-SEP-2001; 2001US-00967726.
                                                                                                                                  ADM83075 standard; DNA; 21
                                                                                                                                                                                (first entry)
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                         21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-778017/73.
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            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GLEA/) GLEAVE M.
(RENN/) RENNIE P S
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                   US2003158130-A1
                                                                                                                                                                                                                                                                   antisense; ss.
                                                                                                                                                                                                                                                                                                                                       modified base
                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2003.
                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                        ADM83075;
 Query Match
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                                                                                                          RESULT 58
ADM83075/c
                         Matches
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This invention relates to novel methods of screening to identify epigenetically silenced genes. Specifically, it refers to the detection of epigenetically silenced tumour suppressor genes in cancer cells, which are transcriptionally inactive due to aberrant methylation at normally unmethylated CpG islands. Accordingly, these genes provide diagnostic markers for immortalised and transformed cells and hence can be used to diagnose various proliferative disorders, particularly oesophageal cancer and head and neck cancer. The present invention describes a genomic

Identifying at least one epigenetically silenced gene associated with cancer useful for treating cancer comprises contacting an array of genome with nucleic acid molecule that reactivates expression of epigenetically

Example 1; SEQ ID NO 28; 97pp; English.

silenced gene.

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Page

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Disclosure; SEQ ID NO 7; 14pp; English.
                                                                                                                                      1516 AGGCCCCCAACTCCGCCCAGC 1536
                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                        1. .21
/*tag= a
/mod_base= OTHER
                                                                                                                                                   21 AGGCCCCCAACTCCGCCCAGC
                                                                                                                                                                                                                  BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                  ADM83072 standard; DNA; 21
                                                                                                                                                                                                                                                           03-JUN-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GLEAVE M.
RENNIE P S.
MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-778017/73.
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                                                                                                                                                                                                                                                                                                                                                                                             Key
modified_base
                                                                                                                                                                                                                                                                                                                                          antisense; ss
                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                       ADM83072;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MIYA/)
(NELS/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ZELL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RENN/)
                                                                                                                                                                                                       ADM83072,
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                   Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity, prostate cancer, bladder cancer, ovarian cancer, lung cancer, renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                  Gaps
                                                                                                                                                 ;
                                                                                                                         1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;
                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zellweger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Phosphorothioate backbone"
                                                                                                  Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;

    antisense oligodeoxyribonucleotide (ODN)

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nelson C,
                                                                                                                                                                                                                                                                                                                Human TRPM-2 antisense oligonucleotide #12.
                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 6; SEQ ID NO 12; 14pp; English.
                                                                                                                                                                    CTCCTTGCTGGAGCAGCTGAA 1135
                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            base= OTHER
                                                                                                                                                                                                                                                BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                    100.08;
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                                                                                                                                               Conservative
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/*tag=
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RENNIE P S.
MIYAKE H.
NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-778017/73.
                                                                                                                                   Local Similarity
les 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZELLWEGER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003158130-A1
                                                                                                                                                                                                                                                                                                                                                                      antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                          Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                           03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gleave M,
                                                                                                                                                                    1115
                                                                                                                                                                                                                                                                      ADM83077;
                                                                                                                                                                                         21
                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GLEA/) (RENN/) 1 (MIYA/) 1 (NELS/) 1 (ZELL/)
                                                                                                                                              Matches
                                                                                                                                                                                                                          RESULT 59
                                                                                                                                                                                                                                     4DM83077/
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bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                 Score 21; DB 1; Length 21; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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Best Local Similarity 100.0%; Pred. No. 35;
Conservative 0; Mismatches
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1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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 Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                          28-SEP-2001; 2001US-00967726.
                                                                                                                                             ADM83076 standard; DNA; 21
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                                            21; Conservative
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(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
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                     Query Match
Best Local Similarity
Matches 21; Conserv
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modified_base
                                                                                                                                                                                                                                                                      antisense; ss.
                                                                                                                                                                                                                                                                                            Homo sapiens.
Synthetic.
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present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
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                                                      DB 1; Length 21;
39;
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/*tag= a
/mdd_base= OTHER
/note="Phosphorothioate backbone"
                                Sequence 21 BP; 5 A; 4 C; 9 G; 3 T; 0 U; 0 Other;
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                                                     1.3%; Score 21; DB
100.0%; Pred. No. 39;
tive 0; Mismatches
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                                                                                                  S15 TGACCGCATCGACTCCCTGCT 535
                                                                                                               25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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ID ADM83074 standard; DNA; 21
                                             Query Match
Best Local Similarity 100.0
""" A Conservative
                                                                                                                                                                                                                          (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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modified_base
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                                                                                                                                                                                                                                                                                                                                         Synthetic.
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(RENN/)
(MIYA/)
(NELS/)
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Gaps
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                                                                                916 ACAACTCCACGGGCTGCCTGC 936
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The present invention provides a method for treating cancer in which cancer calls express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or tradiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM-2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                               Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; antisense; ss.
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tive 0; Mismatches
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/*tag= a
/mod_base= OTHER
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
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modified_base
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100.0%; Pred. No. 39;
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    Pred. No. 39;
                  Mismatches
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                                           1316 CTCCAGGAAGAACCCTAAATT 1336
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                                                           CTCCAGGAAGAACCCTAAATT 1
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                        ADM83068 standard; DNA; 21
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Best Local Similarity 100. Matches 21; Conservative
                  Conservative
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RENNIE P S.
MIYAKE H.
NELSON C.
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    Best Local Similarity
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Synthetic.
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               Matches
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Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
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                                                                                                                      Human TRPM-2 antisense oligonucleotide #8.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                ADM83073 standard; DNA; 21
                                                                                   03-JUN-2004 (first entry)
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(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
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(NELS/) I
(ZELL/)
ADM83073/
                                 The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
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100.0%; Pred. No. 39;
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                                                                                                                                                                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "Phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 3 A; 5 C; 6 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Miyake H, Nelson C,
                                                                                                                                                                          Human TRPM-2 antisense oligonucleotide #5.
                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 5; SEQ ID NO 5; 14pp; English.
                                                                    ADM83070 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-SEP-2001; 2001US-00967726
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/*tag= a
                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GLEAVE M.
RENNIE P S.
MIYAKE H.
NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003158130-A1
                                                                                                                                                                                                                                                                   antisense; ss.
                                                                                                                                                                                                                                                                                                                                                          Key
modified_base
                                                                                                                                                                                                                                                                                                      Ното варіелв
                                                                                                                                         03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-AUG-2003
                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                     ADM83070;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GLEA/)
                                                   ADM83070/c
                                 RESULT 65
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/mod\_base= OTHER /note= "Phosphorothioate backbone"

Location/Qualifiers

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\*tag=

Zellweger

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                                                         The present invention provides a method for treating cancer in which cancer calls express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or tradiation-sensitivity of cancer calls for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                              Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 8; 14pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              716 CCGCATCGTCCGCAGCTTGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 ccecarcercecaecricar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM83071 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM83071/
ID ADM8
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0; Gaps

Indels

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0; Mismatches

100.08;

Conservative

Local Similarity hes 21; Conserv

Best Loca Matches

114 GACCAGACGGTCTCAGACAAT 134 GACCAGACGTCTCAGACAAT 1

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21

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to nucleotides 487-505 of human clusterin cDNA. The antisense strand is also provided ADL70457. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                         RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              core 21; DB 1;
red. No. 39;
Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 21;
Pred. No.
                                                                                                                                                                                                                                                                                       /note= "OTHER= drdr"
                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 4; SEQ ID NO 1; 63pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               482 CCAGAGCTCGCCCTTCTACTT 502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CCAGAGCUCGCCCUUCUACTT 21
                                                                                                                                                                                                                                                                   base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL70460 standard; RNA; 21
                                                                                                                                                                                                                                                  *tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 81.0
Matches 17; Conservative
                     RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disease or cancer.
                                                                                                                                                                                                                                                                                                                                WO2004018676-A2
                                                                                                                                                                                                            Key
modified_base
                                                                                                                                           sapiens
                                                                                                                                                                                                                                                                                                                                                                      04-MAR-2004
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Gonos ES;
                                                                                                                                                                   Synthetic
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                                                                                                                                               Homo
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ADL70460
g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                   Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zellweger T;
                                                                                                                                                                                                                                                                                                                                                                        /note= "Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Miyake H, Nelson C,
                                                                               Human TRPM-2 antisense oligonucleotide #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 6; 14pp; English
                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               316 AATCAGAGACAAAGCTGAAGG 336
                                                                                                                                                                                                                                                                                                            1. .21
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21 AATCAGAGACAAAGCTGAAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-SEP-2001; 2001US-00967726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL70456 standard; RNA; 21
                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
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                                                                                                                                                                                                                                                                                                                                                                                                               US2003158130-A1
                                                                                                                                                                                                                                                                                       Key
modified_base
                                                                                                                                                                                      antisense; ss
                                                                                                                                                                                                                           Homo sapiens.
Synthetic.
                                      03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-AUG-2003
ADM83071;
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(MIYA/) (NELS/) (ZELL/)

(GLEA/) RENN/)

Trougakos IP;

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Gaps

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ADL70456

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Length 21; 0; Indels

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to nucleotides 1620-1638 of human clusterin cDNA. The antisense strand is also provided ADL'0461. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prosette message-2 (TRRM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in moune andels of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                  RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jansen B, Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 71.4%; Pred. No. 39;
Matches 15; Conservative 6; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
                                                                                                                                                                                               20. .21
/*tag= a
/mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 4; SEQ ID NO 5; 63pp; English.
                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1615 CTAATTCAATAAAACTGTCTT 1635
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                               21-AUG-2003; 2003WO-CA001277.
                  RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                       WO2004018676-A2
                                                                                                                                                                              Key
modified_base
                                                                                                                          Homo sapiens.
Synthetic.
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The present sequence is the sense strand of a short interfering RNA (sirNA) targeted to a specific portion ADL70512 of human clusterin cDNA. The antisense strand is also provided ADL70512 of human clusterin cDNA. The antisense strand is also provided ADL70512 of human clusterin cDNA. Interfere with the expression of clusterin. Clusterin, also known as createstcone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Sinnas of the invention can be used alone or in combination with other critical for apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, broast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present sixNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                    RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; SEQ ID NO 58; 63pp; English.
                                                                                                                                                                                                                                                             /note= "OTHER= drdr"
                                                                                                                                                                                      Location/Qualifiers
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/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                21-AUG-2002; 2002US-0405193P
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                             21-AUG-2003; 2003WO-CA001277
                 RNAi for human clusterin.
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                                                                                                                                                                                                      20. .21
/*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disease or cancer.
                                                                                                                                                                                                                                                                                                  WO2004018676-A2
                                                                                                                                                                                      Key
modified_base
                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                       04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jansen B,
                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gonos ES;
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형
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Gapa

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ADL70458 standard; RNA; 21 BP.

RESULT 71
ADL70458
ID ADL70
XX
AC ADL70

BP

ADL70513 standard; RNA; 21

(first entry).

20-MAY-2004

ADL70513;

ADL.70458;

(first entry)

20-MAY-2004

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence is the sense strand of a short interfering RNA antisense strand is also provided ADL70459. The siRNA can be used to antisense strand is also provided ADL70459. The siRNA can be used to therefore with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostete message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounte by prostate cult following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.3%; Score 21; DB 1; Length 21; 81.0%; Pred. No. 39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 4 A; 9 C; 2 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1100 GATGCTCAACACCTCCTT 1120
                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 4; SEQ ID NO 3; 63pp; English.
                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                      21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                         21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 81.0
Matches 17; Conservative
           20-MAY-2004 (first entry)
                                           RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                             WO2004018676-A2
                                                                                                                                                                                     Key
modified_base
                                                                                                                                       sapiens.
                                                                                                                                                                                                                                                                                                              34-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jansen B,
Gonos ES;
                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 72
ADL70520/
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70518 of human clusterin CDNA. CT the sense strand is also provided ADL70519. The siRNA can be used to The sense strand is also provided ADL70519. The siRNA can be used to the strand strand is also provided ADL70519. The siRNA can be used to the strand as a customers of the siRNA as a sexpressed in increased amounts by prostate (siRNAs of the invention can be used alone or in combination with other constants of the invention can be used alone or in combination with other constants are appressed in the strand call carcinoma, constant cancer, bladder cancer, lung cancer, colon cancer, our applestic large cell lymphoma and melanoma, and also for the treatment of breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, canaplastic large cell lymphoma and melanoma, and also for the treatment of breast cancer, sised sease. In an example from the invention, the present of Alzheimer's disease. In an example from the invention, the present sirand was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                           RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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100.0%; Pred. No. 39;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; SEQ ID NO 65; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1613 AACTAATTCAATAAAACTGTC 1633
                                                                                                                                                                                                                                                                                    /note= "OTHER= dTdT"
                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AACTAATTCAATAAAACTGTC 1
                                                                                                                                                                                                                                                   /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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ADL70461/c
ID ADL70461 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21; Conservative
                                                  RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-226852/21.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                           WO2004018676-A2
                                                                                                                                                                                                                    Key
modified base
                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jansen B,
Gonos ES;
                                                                                                                                                                                  Synthetic.
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ADL70520 standard; RNA; 21 BP.

ADL70520

(first entry)

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                        RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                       21-AUG-2003; 2003WO-CA001277
                                                                                      RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disease or cancer
                                                                                                                                                                                                                                                                                                                                                                WO2004018676-A2.
                                                                                                                                                                                                                                                       Key
modified_base
                                                 20-MAY-2004
                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                    04-MAR-2004
                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B,
                 ADL70519;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gonos ES;
The present sequence is the antisense strand of a short interfering RNA feargated to nuclectides 1620-1638 of human clusterin CDNA. The sense strand is also provided ADL70460. The SIRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be sirNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                      RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                       /*tag= a
/mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; SEQ ID NO 6; 63pp; English.
                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2003; 2003WO-CA001277
                                                 (first entry)
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                      RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                WO2004018676-A2
                                                                                                                                                                                                                                                       Key
modified_base
                                                 20-MAY-2004
                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                      04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B,
Gonos ES;
                                                                                                                                                                                                                  Synthetic.
               ADL70461;
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Trougakos IP;

Gleave ME, Signaevsky M, Beraldi E,

/\*tag= a /mod\_base= OTHER /note= "OTHER= dTdT" Location/Qualifiers

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                                                                                                                                              1.3%; Score 21; DB 1; Length 21; 71.4%; Pred. No. 39;
                                                                                                                                                            Indels
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                                                                                                                                Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
                                                                                                                                                             6; Mismatches
Claim 4; SEQ ID NO 64; 63pp; English.
                                                                                                                                                                           1615 CTAATTCAATAAAACTGTCTT 1635
                                                                                                                                                                                        21
                                                                                                                                                                                  71.48;
                                                                                                                                                             Conservative
                                                                                                                                                      Local Similarity
                                                                                                                                                             15;
                                                                                                                                               Query Match
                                                                                                                                                             Matches
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Gaps ; 0

> 1613 AACTAATTCAATAAAACTGTC 1633 AACTAATTCAATAAACTGTC 1

δ 요 ADL70519 standard, RNA; 21 BP.

RESULT 74 ADL70519 ID ADL7

RESULT 75

BP.

Page 38

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                        RNA interference, RNAi, short interfering RNA, siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                          21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2003; 2003WO-CA001277
                                         ADL70516 standard; RNA; 21
                                                                                                                             RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                         WO2004018676-A2
                                                                                                                                                                                                                                                         Key
modified_base
                                                                                                                                                                                                                 Homo sapiens.
                                                                                                 20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                     04-MAR-2004.
                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jansen B,
Gonos ES;
                                                                     ADL70516;
                RESULT 76
                               ADL7051
                                                        The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70515 of human clusterin cDNA. The sense strand is also provided ADL70516. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3
                                                                                                                       RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   prostate cancer cells. A reduction in clusterin transcript was observed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; SEQ ID NO 62; 63pp; English.
                                                                                                                                                                                                                                                     /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                          Location/Qualifiers
             BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                  21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                          21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
           ADL70517 standard; RNA; 21
                                                                  (first entry)
                                                                                             RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                          WO2004018676-A2
                                                                                                                                                                                                                          Key
modified_base
                                                                                                                                                                                 Homo sapiens
                                                                 20-MAY-2004
                                                                                                                                                                                                                                                                                                                                      04-MAR-2004
                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Jansen B,
Gonos ES;
                                       ADL/10517;
ADL70517/c
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Trougakos IP;

Signaevsky M, Beraldi E,

Gleave ME,

/note= "OTHER= dTdT"

/\*tag= a /mod\_base= OTHER

Location/Qualifiers

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70515 of human clusterin cDNA. The antisense strand is also provided ADL70517. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate currour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other critical for neuritic toxicity in mouse models for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal call carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large call lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present sIRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
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85.7%; Pred. No. 39;
rative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 21 BP; 2 A; 9 C; 5 G; 2 T; 3 U; 0 Other;
Claim 4; SEQ ID NO 61; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             713 GICCCGCATCGTCCGCAGCTT 733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85.72
Local 18; Conservative
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Gaps

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RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;

/note= "OTHER= dTdT"

WO2004018676-A2

04-MAR-2004

/mod base= OTHER

20. .21 /\*tag= a

Key modified\_base

Homo sapiens

Synthetic.

Location/Qualifiers

21 AACCAGAGCTCGCCCTTCTAC 1

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BP

ADL70459 standard; RNA; 21

RESULT 78 ADL70459/ (first entry)

20-MAY-2004

ADL70459;

RNAi for human clusterin.

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The present sequence is the antsense strand of a short interfering RNA sense strand is also provided ADL70456. The siRNA can be used to interfere with the expression of clusterin, also known as glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemocherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                  RNA interference, RNAi, short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective, nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; SEQ ID NO 2; 63pp; English.
                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
1 GUCCCGCAUCGUCCGCAGCTT 21
                                                                                                                                                                                                                                                                                                                                                                                    base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-AUG-2003; 2003WO-CA001277.
                                                                    1457/c
ADL70457 standard; RNA; 21
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                                                                                                                                                 (first entry)
                                                                                                                                                                                  RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2004018676-A2
                                                                                                                                                                                                                                                                                                                                       Key
modified_base
                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                               20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-MAR-2004
                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jansen B,
Gonos ES;
                                                                                                                 ADL70457;
                                                 RESULT 77
                                                                  ADL70457,
셤
                                                                                                                 8XXCCCCCCCCCCCCX8X44444X6X5453333X4X6X6X6X44444X8X8XX4X4X6X
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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to nucleotides 1105-1123 of human clusterin cDNA. The sense strand is also provided ADJ70458. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bander cancer, lung cancer, colon cancer, ovarian cancer, of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 4 A; 2 C; 9 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 4; SEQ ID NO 4; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease or cancer.
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Trougakos IP;

Gleave ME, Signaevsky M, Beraldi E,

Jansen B,

Gonos ES;

(UYBR-) UNIV BRITISH COLUMBIA.

21-AUG-2002; 2002US-0405193P. 03-SEP-2002; 2002US-0408152P. 20-MAY-2003; 2003US-0472387P.

21-AUG-2003; 2003WO-CA001277.

1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; ive 0; Mismatches 0; Indels 21; Conservative Local Similarity Query Match Matches

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Gape

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1098 AAGATGCTCAACACCTCCTCC 1118 

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Gaps ö

Indels

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100.0%; Pred. ...

Best Local Similarity 100. Matches 21, Conservative

Query Match

1.3%; Score 21; DB 1; Length 21; 00.0%; Pred. No. 39;

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480 AACCAGAGCTCGCCCTTCTAC 500

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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL/0512 of human clusterin cDNA. The seases strand is also provided ADL/0513. The siRNA can be used to interfere with the expression of clusterin. Also known as testosterone-repressed proctate message-2 (TRPM-2) or sulfated GJV cprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of brostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, brader cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                      RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
21 AAGATGCTCAACACCTCCTCC 1
                                                                                       ADL70514 standard; RNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                   RNAi for human clusterin.
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modified_base
                                                                                                                                                                                                                                                                                                              Homo sapiens.
Synthetic.
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                                                                                                                           ADL70514;
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                                                      RESULT 79
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2.

C. (2-methoxyethyl) modifications in the 5' and 3' 'wings', A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering an agent effective amount of clusterin of clusterin is reduced. Such regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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/note= "OTHER= optional 2'0-methoxyethyl modifications"
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                                                               Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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                                                                                                                                                                                                                 Antisense oligonucleotide to human clusterin.
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480 AACCAGAGCTCGCCCTTCTAC 500
                                                                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
                   21 AACCAGAGCTCGCCCTTCTAC
                                                                                                               ADL70410 standard; DNA; 21 BP
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03.SEP-2002; 2002US-0408152P.
02.DEC-2002; 2002US-019748P.
20-MAY-2003; 2003US-0472387P.
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/*tag= b
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*tag= a
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modified_base
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03-SEP-2002;
02-DEC-2002;
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                                                                              RESULT 80
ADL70410/c
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Gaps

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0; Indels

1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39;

100.08; Pred. w.

Conservative

Query Match Best Local Similarity

Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;

Gaps

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0; Indels

DB 1; 39;

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Human, clusterin, RNAi, melanoma, cytostatic, gene silencing, short interfering RNA, siRNA, DNA-RNA hybrid, ss.
         Query Match 1.3%; Score 21; DB Best Local Similarity 85.7%; Pred. No. 39; Matches 18; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                        713 GTCCCGCATCGTCCGCAGCTT 733
                                                                                                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "OTHER= TT"
                                                                              21
                                                                      1 GUCCCGCAUCGUCCGCAGCTT
                                                                                                                                         BP.
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                         ADL70422 standard; RNA; 21
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                                                                                                                                                                                                             RNAi for human clusterin.
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modified_base
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                                                                                                                                                                 ADL70422;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                      Gaps
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                                                                                                                                                                                                                                                                       Human; clusterin; RNAi; melanoma; cytostatic; gene silencing; short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                            Length 21;
                                                                   Indela
                       Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
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                                           DB 1;
39;
                                            1.3%; Score 21; DB 100.0%; Pred. No. 39; ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 20; SEQ ID NO 38; 32pp; English.
                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                  ccecarcerccccaecrrear 1
                                                                                                                                                                                                                                                                                                                                                                               base= OTHER
                                                                                          716 CCGCATCGTCCGCAGCTTGAT
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2002US-0408152P.
2002US-0319748P.
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                                                                                                                                                                            ADL70440 standard; RNA; 21
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                                                                                                                                                                                                                        20-MAY-2004 (first entry)
                                         Query Match 1.3
Best Local Similarity 100.
Matches 21, Conservative
                                                                                                                                                                                                                                               RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                               /mod
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(GLEA/) GLEAVE M E.
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modified_base
of apoptosis.
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02-DEC-2002;
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SXS
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonocleotide ADD/0404-ADD/04021 or short interfering RNA (siRNA) ADD/0422-ADD/0435 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
comprises administering to the reduce the effective amount of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 21; DB 1; Length 21;
Pred. No. 39;
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Treating melanoma in a mammalian subject subject a therapeutic agent effective to clusterin in the melanoma cells.
                                                                                                                                                                         Claim 10; SEQ ID NO 20; 32pp; English.
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Best Local Similarity
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WO2004018675-A1
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                          Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
                                                                                                                                                                                                                                                          /mod_base= OTHER
/note= "OTHER= optional phosphorothioate nucleotides"
  Gaps
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   Indels
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                                                                                                                                                       Antisense oligonucleotide to human clusterin
  4; Mismatches
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                                                                                                                                                                                                                           Location/Qualifiers
1. 21
/*tag= b
                       502
                                                                                                                                                                                                                                                                                         /*tag= a
/mod_base= OTHER
/note=="OTHER= op!
                                           21
                                   482 CCAGAGCTCGCCCTTCTACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                    21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                             BP
                                                                                                                                                                                                                                                                                                                                                                                                                  21-AUG-2003; 2003WO-CA001276.
                                                                                             ADL/10413 standard; DNA; 21
                                                                                                                                     (first entry)
     17; Conservative
                                                                                                                                                                                                                                                                                                                        18. .21
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modified_base
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Synthetic.
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regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
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of
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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subject a therapeutic agent effective to reduce the effective amount
clusterin in the melanoma cells.
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/note= "OTHER= optional phosphorothioate nucleotides"
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Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                   Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                              1316 CTCCAGGAAGAACCCTAAATT 1336
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/*tag= a
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Claim 6; SEQ ID NO 10; 32pp; English.
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modified_base
                                                                                                                                                                                             of apoptosis.
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Synthetic.
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ADL70425/c
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The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2'-0-(2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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tive 0; Mismatches
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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/mod_base=
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nes 21; Conserv
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Matches
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                     human clusterin ADL70403. The invention relates to the treatment of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering NNA (sirNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA apanning either the translation initiation site or the termination site. They may be employed as phosphorothicate derivatives and may have 2' o' (2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regularing expression of bol-xi, in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering an effective to modulate the amount of clusterin regulated when the effective amount of clusterin expression in clusterin-expressing cells, expression of bol-xi is downregulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
The present sequence is that of an antisense oligonucleotide targeted to
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RNA; siRNA; DNA-RNA hybrid; ss.
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Pred. No. 39;
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100.0%; Pred. No. 5..
'.. 0; Mismatches
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/mod_base= OTHER
/note= "OTHER= TT"
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Les 21; Conservative
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short interfering
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Gaps

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell into comparises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
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/mod_base= OTHER
/notE= "OTHER= 2'O-methoxyethyl modifications"
18. .21
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/note= "OTHER= phosphorothioate nucleotides"
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                                                                                                                                                                                             Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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Best Local Similarity
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modified_base
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ADL70406/c
ID ADL704
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                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL7045. It targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating axpression of bcl-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xi is known to act as an inhibitor of apoptosis.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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100.0%; Pred. No. 39;
ive 0; Mismatches
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                                 Claim 10; SEQ ID NO 23; 32pp; English.
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/mod_base= OTHER
/note= "OTHER= TT"
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      clusterin in the melanoma cells
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; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
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(GLEA/) GLEAVE M E.
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Best Local Similarity 100.
Matches 21; Conservative
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03-SEP-2002;
02-DEC-2002;
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modified_base
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of malanoma through reduction in the effective amount of clusterin. The charactering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translaminary to a region of the clusterin mRNA spanning either the translamion initiation site or the termination site. They may be employed as phosphorothicate derivatives and may have 2. They may be employed as phosphorothicate derivatives and may have 2. They may be employed as phosphorothicate derivatives and may have 2. They may be employed as phosphorothicate derivatives and may have 2. They may be employed as phosphorothicate backone throughout craspeced to the translation initiation codon and nax 6 codons of the them man clusterin sequence. It has a phosphorothicate backbone throughout and MOE wings, the remaining nucleotides being 2. decoxynucleotides. In an example from the invention, this antisense oligonucleotide provided a dose-dependent down-regulation of clusterin in human melanoma cell line can apoptotic cell death. In one melanoma cell line (607B) this alone was sufficient to lead to complete cell death. In capturession of bcl-xL in a subject or cell line comprises another melanoma cell line, the surviving cells showed increased sensitivity to subsequent treatment with cisplatin. A claimed method for regulating expression of bcl-xL in a subject or cell line comprises captured when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of anonement of clusterin is significant because bcl-xL is known to act as an inhibitor.
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subject a therapeutic agent effective to reduce the effective amount of
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                       Claim 7; SEQ ID NO 4; 32pp; English
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              clusterin in the melanoma cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNAi for human clusterin.
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modified_base
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic appet may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA, A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                          Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; 88.
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Pred. No. 39;
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/note= "OTHER= TT"
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                                                                                        (UYBR-) UNIV BRITISH COLUMBIA.
(GLBA/) GLEAVE M E.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-MAY-2004 (first entry)
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modified_base
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADD/0404-ADD/0421 or short interfering RNA (siRNA) ADD/0422-ADD/045 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing collusterin of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                   Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
18. .21
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.3%; Score 21; DB 1;
100.0%; Pred. No. 39;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antisense oligonucleotide to human clusterin.
                                                                                                                                                                                                 Claim 20; SEQ ID NO 41; 32pp; English.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ID ADL70411 standard; DNA; 21
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                                                     WPI; 2004-226851/21.
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Matches
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                                                                                                                                                                     Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                   Claim 20; SEQ ID NO 39; 32pp; English.
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/mod_base= OTHER
/note= "OTHER= TT'
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(UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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ID ADL70443/C

AC ADL70443;

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ADL70443;

XX

ADL70443;

XX

ADL70443;

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BE RNAi for human clusterin.

XX

Human; clusterin; RNAi; melar

KN

Human; clustering RNA; siRNA;

Son Homo sapiens.

Synthetic.

XX

Homo sapiens.

Synthetic.

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Homo sapiens.

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FT

Modified_base 20. 21

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GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-047289T9.
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                                                                                                                       WPI; 2004-226851/21.
                                                                       Jansen B;
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Gaps

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 margeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing collusterin of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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100.0%; Pred. No. 39;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                        Claim 20; SEQ ID NO 37; 32pp; English.
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/note= "OTHER= TT"
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                                       (UYBR-) UNIV BRITISH COLUMBIA. (GLEA/) GLEAVE M E.
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20-MAY-2003; 2003US-0472387P.
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2002US-0408152P.
2002US-0319748P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNAi for human clusterin.
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/*tag=
                                                                                                                                             WPI; 2004-226851/21.
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Best Local Similarity
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modified_base
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03-SEP-2002;
02-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of apoptosis.
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                                                                                                        Jansen B;
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ADL70438
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                                                                                                                                                                                                                                                                                     The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The melanoma through reduction in the effective amount of clusterin. The trappeutic agent may be an antisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2' c-0-(2-methoxyethyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterine the mount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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                                                                                                                                                                   Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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100.0%; Pred. No. 39;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                    Claim 6; SEQ ID NO 9; 32pp; English
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/note= "OTHER= TT
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                     (UYBR-) UNIV BRITISH COLUMBIA. (GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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Best Local Similarity 100.
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                                                                                                                          WPI; 2004-226851/21
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modified_base
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Synthetic.
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                                                                                       Jansen B;
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RESULT 93 ADL/10439/

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21 AGGCCCCCAACTCCGCCCAGC
                                   (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
     02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                       WPI; 2004-226851/21.
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modified_base
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Best Local Simil
Matches 21; (
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Synthetic.
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                                                                  Jansen
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                                                                                                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL in shibhtion is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                             Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
18. .21
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                                                                                                                                                                                                                                                                                                             Gaps
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/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                 Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
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                                                                                                     Claim 20; SEQ ID NO 36; 32pp; English.
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                                                                                                                                                                                                                                                                                                                             482 CCAGAGCTCGCCCTTCTACTT 502
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*tag= a
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                                          WPI; 2004-226851/21
(GLEA/) GLEAVE M E.
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                      Jansen B;
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2.

C-(2-methoxyethyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering an agent effective amount of clusterin is reduced. Such regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
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Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/note= "OTHER= optional 2'0-methoxyethyl modifications"
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/*tag= a
//mod base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.3%; Score 21; DB 100.0%; Pred. No. 39; ative 0; Mismatches
                                                                                                                                                               Claim 6; SEQ ID NO 12; 32pp; English.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/70400. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADD/70404-ADD/70421 or short interfering RNA (siRNA) ADD/70422-ADD/7045 margared to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA, A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                     Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/*tag= a
/mod base= OTHER
/notē= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                                                                                                                                                                                                              Claim 10; SEQ ID NO 25; 32pp; English.
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/mod_base= OTHER
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2002US-0472387P.
                                                                                21-AUG-2003; 2003WO-CA001276
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Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                        (GLEA/) GLEAVE M E
                 WO2004018675-A1.
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modified_base
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                                                  04-MAR-2004.
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                                                                                                                                                                                                                                                                                                                                                                                                                           human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (sirNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo. -0.(2-methoxyethy1) modifications in the 5' and 3' wings' A method for regularing expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin—expression collustering calls, expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence is that of an antisense oligonucleotide targeted to
                                                                                                                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; or indels ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 5 A; 4 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                              Claim 6; SEQ ID NO 7; 32pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "OTHER= TT"
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/*tag= a
/mod_base= OTHER
                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL70427 standard; RNA; 21 BP
                                                                                                21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                  21-AUG-2003; 2003WO-CA001276.
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                          WPI; 2004-226851/21
WO2004018675-A1.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of apoptosis.
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Synthetic.
                                04-MAR-2004
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                                                                                                                                                                                                                                        Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 515
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The there in the capture of clustering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. Or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either translation initiation of the termination site. They may be mosphorothioate derivatives and may have 2. e.g. they may be employed as phosphorothioate derivatives and may have 2. regulating expression of fol-xi in a subject or cell line comprises administering an agent effective to modulace the amount of clusterin are regulated when the effective amount of clusterin is reduced. Such regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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                                                                                                                                                                              /*tag= c
/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications"
                                                                             /mod_base= OTHER
/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     claim 6; SEQ ID NO 5; 32pp; English.
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                                  OTHER
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(GLEA/) GLEAVE M E.
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2002US-0408152P.
2002US-0319748P.
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                   *tag=
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Best Local Similarity
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03-SEP-2002;
02-DEC-2002;
modified_base
                                                                             modified base
                                                                                                                                                               modified base
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ADL70424
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2XXX2X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL7042 therapeutic agent may be an antisense oligonucleotide ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorocthicate derivatives and may have 2' co.(2-methoxyethyl) modifications in the 5' and 3' wings'. A method for regulating expression of bcl.-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.-xL is known to act as an inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                                              /note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antisense oligonucleotide to human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 6; SEQ ID NO 3; 32pp; English.
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100.0%; Pre
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                                                 /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                         BRITISH COLUMBIA
                                                                                                                                                                                                                                  21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                *tag= c
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Matches 21; Conserv
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GLEAVE M E.
                                                                                                             WO2004018675-A1
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Synthetic.
          modified base
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Jansen B;

(UYBR-) (GLEA/) (

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Gaps

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ADL70407;

Key

ADL70407/c RESULT 99

Query Match

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The present invention describes a radiation hybrid map of the dog (Canine familiaris) genome comprising the genome location of a marker selected from AAA66139 to AAA66391. The radiation hybrid map is useful for identifying and localising dog genes, since it covers approximately 80 to f. the dog genome and provides a dense map integrating different types of the dog genome and Type II) of markers. The map and the dog genome markers (or complementary sequences) are especially useful to identify genes responsible for phenotypic and behavioural traits in dogs, to identify morbid genes, to analyse diseases and identify implicated genes in such diseases and their alleles, and to study dog pedigrees. They may also be useful for isolating corresponding human gene sequences e.g. genes involved in genetic diseases
                                                                                                                                                                                                                                                                                                                                                                                                        genome, useful
behavioral traits
chromosome location; gene marker; polymorphic microsatellite marker; phenotype; behaviour; pedigree; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascullar disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioare backbone; 2'-0-methoxyethyl wing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.3%; Score 20.8; DB 1; Length 24; 91.7%; Pred. No. 67; 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    New radiation hybrid map of the dog, Canine familiaris, for e.g. identifying genes implicated in phenotypic and or in genetic diseases and for studying dog pedigrees.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 24 BP; 5 A; 8 C; 6 G; 5 T; 0 U; 0 Other;
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Best Local Similarity 91.7
Matches 22, Conservative
                                                                                                                                                                                                                                                                                                                     Galibert F, Andre C;
                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-387821/33.
                                                               Canis familiaris
                                                                                                       WO200029615-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200222635-A1
                                                                                                                                                                                        15-NOV-1999;
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    셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonocleotide AD170404 or short interfering RNA (siRNA) AD17042-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing clusterin of bcl.xL in a is in clusterin is reduced. Such inhibition is significant because bcl.xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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0
                                       Human, clusterin, RNAi, melanoma, cytostatic, gene silencing,
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                                                                                                                    Location/Qualifiers
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/note= "OTHER= TT"
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                         Claim 3; Page 83; 125pp; English.
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            (ISIS-) ISIS PHARM INC
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inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the sypression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present hym sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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Pred. No. 45;
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders. The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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100.0%; Pred. No.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders.) The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; bly sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                           hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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es 20; Conservative
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AC ABN9
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DT 16-A
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DE Huma
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ABN99668 standard; DNA; 20 BP.

RESULT 111 ABN99668/c ID ABN996 XX

20

Gaps

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemis, cardiovascular disorders, hyperpoliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
                                                                                 The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; passent DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                 1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 45;
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Mismatches
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                                                      Claim 3; Page 83; 125pp; English
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Matches 20; Conserv
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                                                          10-SEP-2001; 2001WO-US028235.
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                       21-MAR-2002
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RESULT 115

ABN99701,

ABN99701;

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders.) The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                            Human, antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperpoliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-O-methoxyethyl wing.
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
                                                                                                                                                    Human clusterin inhibiting antisense oligonucleotide 36.
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                      ABN99702 standard; DNA; 20
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                                                                 ABN99702;
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ABN99704/c
    ABN99702/c
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                                        Sequence 20 BP; 3 A; 5 C; 6 G; 6 T; 0 U; 0 Other;
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                                                                     1.2%; Scc..
100.0%; Pred. No. ...
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and also contains 2'-0-methoxyethyl wings
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                                                            Query Match
Best Local Similarity 100..
Best Local Similarity 100..
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Gaps

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Query Match

Best Loca Matches

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RESULT 116

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders,
                                                                                                                                                       The invention comprises antisense oligonuclectides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; by prepriptioliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                               Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypercholesterolaemia; cardiovascular disorder; 88; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 6 A; 5 C; 7 G; 2 T; 0 U; 0 Other;
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tive 0; Mismatches
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                                                                                                                          Claim 3; Page 84; 125pp; English
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WPI; 2002-404805/43
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Best Local &
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention comprises antisense oligomucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligomucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligomucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                           Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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les 20; Conserv
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                  Human clusterin inhibiting antisense oligonucleotide 4.
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                                                                                           ABN99670 standard; DNA; 20
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hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represente a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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                                                                                                               Sequence 20 BP; 6 A; 4 C; 7 G; 3 T; 0 U; 0 Other;
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inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with
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                                                           The invention comprises antisense oligonucleotides that are capable
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Example 15; Page 83; 125pp; English.
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Freier SM;
         Monia BP, Freier SM;
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                             WPI; 2002-404805/43.
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hes 20; Conserv
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hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Best Local Similarity 100.
Matches 20; Conservative
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                                 Homo sapiens.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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455 TGGCCGCCAGCTTGAGGAGT 474
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expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders. The present an hyperproliferation and also calls a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                                                                                                                                                  13 TGACCGAGGCGTGCAAAGAC 32
                                                                                                                                                                                                                                                                                                           20 TGACCGAGGCGTGCAAAGAC
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Best Local Similarity 100.0
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Best Local Similarity 100.
Matches 20; Conservative
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ABN99687/c
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inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with
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hypercholesterolaemia; cardiovascular disorder; ss;
hyperprolliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Matches 20; Conservative
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ABN99725/c
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DB 1; Length 20;

1.2%; Score 20; DB 100.0%; Pred. No. 45; ive 0; Mismatches

Monia BP,

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; by prepriptioliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                                   (ISIS-) ISIS PHARM INC.
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        inhibiting expression of the human dusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders) the present hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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100.0%; Pred. No. 45;
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Matches 20; Conservative
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                                                                              Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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100.0%; Pred. No. 45;
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                                Claim 3; Page 83; 125pp; English,
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Matches 20; Conservative
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Matches 20; Conservative
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ID ABN99
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ABN99703/
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inhibiting expression of the human clusterin gene. The antisense oligomuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomuclectides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligomucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Pred. No.
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                                                                                                                                         Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterollaemia; cardiovascular disorder; ss; hyperpoliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                                Human clusterin inhibiting antisense oligonucleotide 54.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Pred. No. 45;
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                                                     Sequence 20 BP; 5 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
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                                                                                                   The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperlipidemic disorders. The present DNA sequence represents a clusterin and hyperlipidemic disorders. The present invention. NOTE: The present DNA sequence has a phosphorothicate backbone
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 Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with
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100.0%; Pred. No. 45;
tive 0; Mismatches
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                                                                        Claim 3; Page 84; 125pp; English.
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            Homo sapiens.
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                                                                                                                Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                             Human clusterin inhibiting antisense oligonucleotide 42.
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                             ABN99708 standard; DNA; 20 BP
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                    Freier SM;
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                    ABN99708/
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                                                                                                              Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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Freier SM;
                                                             WPI; 2002-404805/43.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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                                                                                                                                          Score 20; DB 1; Length 20;
Pred. No. 45;
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Pred. No. 45;
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                                                                                                         Sequence 20 BP; 4 A; 6 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                             Similarity
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                                                                                                                                                     The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; by a sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbon and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with
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                                                                        clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                       Novel antisense compound targeted to nucleic acid molecule encoding
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100.0%; Pred. No.
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                                                                                                                           Claim 3; Page 83; 125pp; English.
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                                                                                                             Human clusterin inhibiting antisense oligonucleotide 49.
                                                                                                                                         hypercholesterolaemia; cardiovascular disorder; 88; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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100.0%; Pre
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaema; cardiovascular disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Best Local Similarity
Matches 20; Conserv
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Gaps

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oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders and hyperlipidemic disorders. The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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                                                                                                                                                                                                                                                                                                                           0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human clusterin inhibiting antisense oligonucleotide 7.
                                                                                                                                                                                                                        Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other;
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Pred. No.
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                                                                                                                                                                                                                                                                                          The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                 Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1615 CTAATTCAATAAAACTGTCT 1634
                                                                                                                                                                                                                                                    Claim 3; Page 84; 125pp; English.
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       (ISIS-) ISIS PHARM INC.
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                                                       Freier SM;
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders, hyperproliferative disorders, and hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the discrete and the contraction of the disorders.
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                              Human; antisense inhibition; antisense oligonucleotide; clusterin;
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Human clusterin inhibiting antisense oligonucleotide 30.
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                                              hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Matches
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                 Human clusterin inhibiting antisense oligonucleotide 13
                                                                                                                                                                                                                                                               hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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          GTCCAATCAGGGAAGTAAGT 168
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les 20; Conserv
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin hyperstolic expressing a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone
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                                                                                                                                                                                                                                                                                                                             Score 20; DB 1; Length 20;
Pred. No. 45;
0; Mismatches 0; Indels
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tive 0; !
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Best Local Similarity
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Matches
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llarity 100.0%; Pred. No. 45;
Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and also contains 2'-0-methoxyethyl wings
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                    11-SEP-2000; 2000US-00659791.
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Matches
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                   Human, antisense inhibition, antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                               Human clusterin inhibiting antisense oligonucleotide 33.
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es 20; Conserv
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ive 0; Mismatches
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Best Local Similarity 100.
Matches 20, Conservative
          Query Match
Best Local Similarity 100.
Matches 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders; hyperproliferative actions an almal whyering the disorders and hyperlipidemic disorders. The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                                                                                                                                                      Sequence 20 BP; 5 A; 4 C; 2 G; 9 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                        Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                166 AGTACGTCAATAAGGAAATT 185
                                   3; Page 83; 125pp; English.
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                                                                                                                                                                                                                                                                                                                         Local Similarity
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ABN99688/
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                                                                                                                                                                                                                                                                                                                     The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                 10-SEP-2001; 2001WO-US028235,
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                                                                                                       (ISIS-) ISIS PHARM INC
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21-MAR-2002
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Matches
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Human clusterin inhibiting antisense oligonucleotide 10.
standard; DNA; 20
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 ABN99676
                         ABN99676;
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                                                              Gaps
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                Sequence 20 BP; 5 A; 3 C; 9 G; 3 T; 0 U; 0 Other;
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100.0%; Pred. No. ...,
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                                                                                       482 CCAGAGCTCGCCCTTCTACT 501
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Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Matches 20, Conservative
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RESULT 163 ABN99676/c

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inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention concerns an analysis of genes differentially expressed in synovial tissues from rheumatoid arthritis (RA) and osteoarthritis (QA) patients. Microarray technology was used to compare gene expression profiles, and sets of genes were identified based on over-expression or under-expression in RA samples compared to OA samples. Results for 6 of the selected genes (GBP1,CLU, RH70, GLO1, DXS and CTSL) were verified by real-time, quantitative PCR using samples identical to
                                                                                                                                                     invention comprises antisense oligonucleotides that are capable of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rheumatoid arthritis; osteoarthritis; microarray; molecular profiling; diagnosis; antiarthritic; CLU; PCR; primer; human; ss.
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                Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                            Claim 3; Page 83; 125pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human clusterin inhibiting antisense oligonucleotide 41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 3 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
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100.0%; Pred. No. 45;
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 3; Page 83; 125pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 GCAGACGCACATGCTGGATG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABN99707 standard; DNA; 20 BP.
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                                                                                                          10-SEP-2001; 2001WO-US028235
                                                                                                                                                        11-SEP-2000; 2000US-00659791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-SEP-2001; 2001WO-US028235
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.2
Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                      (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                    Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Monia BP, Freier SM;
                                                                                                                                                                                                                                                                                                  WPI; 2002-404805/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-404805/43.
                     WO200222635-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-AUG-2002
                                                              21-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-MAR-2002
                                                                                                                                                                                                                                                    Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABN99707;
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Sequence 20 BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;

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The present invention concerns an analysis of genes differentially expressed in synovial tissues from rheumatoid arthritis (RA) and costeoarthritis (OA) patients. Microarray technology was used to compare osteoarthritis (OA) patients. Microarray technology was used to compare expression profiles, and sets of genes were identified based on over-expression or under-expression in RA samples compared to OA samples. Results for 6 of the selected genes (GAB1,CIU, RH7), GLO1, DKS and CTSL) were verified by real-time, quantitative PCR using samples identical to those used in the microarray experiments and also entirely separate samples. The present sequence is that of a reverse PCR primer for CLU, a corward primer is also provided AD07105. CLU was shown to be underexpressed in RA relative to OA samples. The invention provides libraries and arrays of polymocleotide sequences useful for prognosticating or diagnosing RA or OA. Methods are also provided for following the efficiency of a treatment against RA or OA, and for screening potential therapeutic agents for treating RA or OA.
                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New library of polynucleotide sequences expressed in cells from synovial tissues, useful for diagnosing and treating rheumatoid arthritis or osteoarthritis.
those used in the microarray experiments and also entirely separate samples. The present sequence is that of a forward PCR primer for CLU; a reverse primer is also provided ADO07106. CLU was shown to be underexpressed in RA relative to OA samples. The invention provides libraries and arrays of polynucleotide sequences useful for prognosticating or diagnosing RA or OA. Methods are also provided for following the efficiency of a treatment against RA or OA, and for screening potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rheumatoid arthritis; osteoarthritis; microarray; molecular profiling; diagnosis; antiarthritic; CLU; PCR; primer; human; ss.
                                                                                                                                                                                                                                                                  Gaps
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0
                                                                                                                                                                                                                     1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 45;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                   Sequence 20 BP; 6 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (INRM ) INSERM INST NAT SANTE & RECH MEDICALE.
(ASSI-) ASSISTANCE PUBLIQUE HOPITAUX PARIS.
(COMS ) COMMISSARIAT ENERGIE ATOMIQUE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chiocchia G;
                                                                                                                                               therapeutic agents for treating RA or OA.
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                                                                                                                                                                                                                                                                                                          1180 GCGAAGACCAGTACTATCTG 1199
                                                                                                                                                                                                                                                                                                                                 Marion S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLU gene reverse PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADO07106 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                    20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-348476/32.
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Matches 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADC07106;
                                                                                                                                                                                                                              Query Match
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AD007106/c
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to human clusterin. The antisense strand is also provided ADL70465. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRRM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as such as some cancer, colon cancer, colon cancer, onarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                     RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Trougakos IP;
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DB 1; Length 20; 45;
                              Indels
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                               0; Mismatches
   1.2%; Score 20;
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/note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                             1361 GCTGCAGGAATACCGCAAAA 1380
                                                                               GCTGCAGGAATACCGCAAAA 1
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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               100.0%;
                                                                                                                                                                    ADL70464 standard; RNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                *tag≃ a
                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                             RNAi for human clusterin.
                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-226852/21.
Query Match
Best Local Similarity
Matches 20; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                              modified base
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                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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Gonos ES;
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Gaps

ADL70430;

Homo

RESULT 169

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Clusterin (also known as complement cytolysis inhibitor, sulfated glycoprotein-2, testosterone repressed prostate message-2, SP-40, 40 and ApoJ) is essential for the migration of vascular smooth muscle cells (VSMC). The gene and protein can, therefore, be used to promote wound healing, angiogenesis and vasculogenesis, in the treatment of stenosis following vascular trauma or disease and to treat atherosclerosis, and antisense sequences can be used to treat cancer, as angiogenesis is vital
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Clusterin and gp38K-related peptide capable of altering cell migration useful for treating atherosclerosis, cancer and stenosis following vascular trauma or disease.
                                                                                                                                                                                                                                                                                                        Mouse; clusterin; cell migration; wound healing; anglogenesis; cancer; vascular trauma; vascular disease; atherosclerosis; restenosis; complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is a PCR primer for the murine clusterin gene.
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 Indele
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Pred. No. 66;
0; Mismatches
 Mismatches
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                                   67
                                                        1 AUGAUGAAGACUCUGCUGCT 20
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 5.
                                                                                                                                                                                                                                                                        Murine clusterin PCR primer #2.
                                   48 ATGATGAAGACTCTGCTGCT
                                                                                                                                                               BP.
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                                                                                                                                                                                                                                     (first entry)
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   Conservative
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                                                                                                                                                             DNA;
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                                                                                                                                                             AAA52782 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200034469-A1.
                                                                                                                                                                                                                                                                                                                                                                                 PCR primer; 88
                                                                                                                                                                                                                                     03-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-DEC-1998;
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   15;
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                                                                                                                                                                                                   AAA52782;
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                                                                                                                             RESULT 170
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   Matches
                                                                                                                                          AAA52782
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 argageded to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bc1-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing of bc1-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bc1-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                      Gaps
                                                      ;
0
                                                                                                                                                                                                                                                                                                                                                               Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; sIRNA; DNA-RNA hybrid; ss.
                  DB 1; Length 21;
54;
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                                                    0; Indels
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                  Score 20; DB :
Pred. No. 54;
5; Mismatches
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/note= "OTHER= TT"
                                                                                          67
                                                                                                            2;
                                                                                      48 ATGATGAAGACTCTGCTGCT
                                                                                                                                                                                                                  BP
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GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                1.2%;
ilarity 75.0%;
Conservative
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                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                             RNAi for human clusterin.
 Query Match
Best Local Similarity
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Best Local Similarity
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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Jansen B; (UYBR-) (GLEA/)

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Gapa

20-MAY-2004 (first entry)

RNAi for human clusterin.

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                    RNA interference, RNAi, short interfering RNA; siRNA; human, clusterin, cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                           03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                      Key
modified_base
                                                                                                                                                                                                                                                                                                                                            21-AUG-2002;
                                                                                                                                                                                                                                                                                       04-MAR-2004.
                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Jansen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                              Gonos ES;
                                                                                                                               Homo
The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL/0521 of human clusterin cDNA.

The antisense strand is also provided ADL/0523. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGPP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease.

Signa of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, orarian cancer, bradder cancer, lung cancer, colon cancer, orarian cancer, amaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present signal and sease are supplemented by the effects of clusterin gene silencing in PC-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           prostate cancer cells. A reduction in clusterin transcript was observed.
                                      RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
                                                       cytostatic, neuroprotective, nootropic, gene silencing, DNA-RNA hybrid,
                                                                                                                                                                                                                                                                                                                                                                                                   Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.2%; Score 19; DB 1; Length 19; 73.7%; Pred. No. 52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 67; 63pp; English.
                                                                                                                                                                                                  /note= "OTHER= drdT"
                                                                                                                                         Location/Qualifiers
                                                                                                                                                                    J= a
_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                       UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                              21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                    21-AUG-2003; 2003WO-CA001277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 73.7
Matches 14; Conservative
           RNAi for human clusterin.
                                                                                                                                                                    /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                   Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disease or cancer.
                                                                                                                                                                                                                           WO2004018676-A2
                                                                                                                                        Key
modified_base
                                                                                                 Homo sapiens,
                                                                                                                                                                                                                                                        04-MAR-2004
                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                  Jansen B,
Gonos ES;
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Trougakos IP;

Gleave ME, Signaevsky M, Beraldi E,

(UYBR-) UNIV BRITISH COLUMBIA

2002US-0405193P.

/note= "OTHER= dTdT"

/mod base= OTHER

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/\*tag=

Location/Qualifiers

sapiens.

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                                                         The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70521 of human clusterin cDNA. The sense strand is also provided ADL70522. The siRNA can be used to interfere with the expression of Clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPN-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour calls following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of
                                                                                                                                                                                                                                                                                                                                                                                        prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, amplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
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tive 0; Mismatches
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.00.0%; Pred. No.
Claim 4; SEQ ID NO 68; 63pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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nes 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 173
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Gaps

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0; Indels

5; Mismatches

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ò g ADL70523 standard; RNA; 19 BP.

RESULT 172

ADL/70523;

ADL70444;

Synthetic.

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADD/70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligomucleotide ADL/0404-ADL/70421 or short interfering RNA (siRNA) ADL/70422-ADL/70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA, A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                             Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.2%; Score 19; DB 1; Length 19; 00.0%; Pred. No. 52; ve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 20; SEQ ID NO 43; 32pp; English.
                                                                                                                                                                                             Location/Qualifiers
18. .19
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/mod_base= OTHER
/note= "OTHER= TT"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA (GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                        21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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  20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL70465 standard; RNA; 21
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                                       RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-226851/21.
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                                                                                                                                                                                                   Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of apoptosis.
                                                                                                                                         sapiens
                                                                                                                                                                                                                                                                                                                                                             04-MAR-2004.
                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B;
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ADL70465/C
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Matches
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8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL7045 margered to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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o
                                                                                                                                       Human, clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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Pred. No. 52;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 20; SEQ ID NO 42; 32pp; English.
                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                              18. .19
/*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
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03-SBY-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 73.7%;
Matches 14; Conservative
                                                        20-MAY-2004 (first entry)
                                                                                               RNAi for human clusterin.
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modified_base
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                                                                                                                                                                                                   Homo sapiens
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Jansen B;

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**Gaps** 

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ADL70445 ADL70445/C ID ADL704 XX AC ADL704 XX

RESULT 174

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Synthetic

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human NOVX polypeptide gene reverse primer SEQ ID NO: 417.
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Pred. No. 75;
0; Mismatches 0; Indels
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                                                                                                                        Location/Qualifiers
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100.0%; Pre
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/note= "OTHER= TT"
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2002US-0319748P.
2003US-0472387P.
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nes 19; Conserv
                                                                                                                                                                                                                                              WO2004018675-A1
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                                                                                                                                              modified base
                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                            21-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                 03-SEP-2002;
02-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAY-2003;
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                                                                                       Synthetic.
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(GLEA/)
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to human clusterin. The sense strand is also provided ADD/0464. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bardder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.2%; Score 19; DB 1; Length 21;
100.0%; Pred. No. 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; S A; 5 C; 4 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 10; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Signaevsky M,
                                                                                                                                                                                                               /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                         Location/Qualifiers
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100.0%; Fic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       48 ATGATGAAGACTCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                      21-AUG-2003; 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 100.
hes 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease or cancer.
                                                                                                                                                                                                                                                                                             WO2004018676-A2
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                                                                                                                                                                                               modified base
                                                                                                                      Homo sapiens
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Jansen B, Gonos ES;

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Gaps

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ADL70431;

XEXEXEX

RESULT 176

ADL70431

Query Match

Matches

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The invention relates to novel isolated polypeptides, mature form of the polypeptide, a sequence that is 95% identical to the polypeptide or the polypeptide comprising one or more conservative substitutions. The NOVX polypeptide is useful for treating or preventing a pathology associated with the polypeptide e.g. disorders associated with aberrant expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated NOVX polypeptides and nucleic acid molecules useful for treating, preventing and diagnosing pathological conditions with NOVX-associated disorders, such as cancer, obesity, diabetes and inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kekuda R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Agee ML, Anderson DW, Berghs C, Casman SJ, Catterton E; Dipippo VA, Edinger SR, Eisen A, Ellerman K, Gangolli EA; Gerlach VL, Gorman L, Guo X, Herrmann JL, Hjalt T, Ji W, Kekuda F Khramtsov NV, Li L, Liu X, Malyankar UW, Miller CE, Millet I; Ort T, Padigaru M, Patturajan M, Pena CEA, Rastelli L, Rieger DK; Rothenberg ME, Shenoy SG, Shimkets RA, Smithson G, Spaderna SK; Spytek KA, Stone DJ, Vernet CAM, Zhong H, Zhong M, Alsobrook JP;
CNS disorder; inflammatory disorder; tissue typing; predictive medicine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example B; SEQ ID NO 417; 772pp; English.
                                                                                                                                                                                           200105-0296418P

200105-0296418P

200105-0296418P

200105-0296475P

200105-0296418P

200105-0299131P

200105-0299131P

200105-0299131P

200105-0299131P

200105-0299131P

200105-039913P

200105-0309150P

200105-0309150P

200105-0301550P

200105-0301550P
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10-APR-2002; 2002US-0371346P.
10-MAY-2002; 2002US-0379444P.
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                                                                                                                           04-JUN-2002; 2002WO-US017443
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  endocrine disorder;
              chromosome mapping;
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                                                                      WO2003000842-A2
                                                                                                                                                                                                                                                                                                            19-JUN-2001;
21-JUN-2001;
22-JUN-2001;
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28-JUN-2001;
28-JUN-2001;
03-JUL-2001;
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14-SEP-2001;
25-SEP-2001;
                                                                                                                                                                                                                          11-JUN-2001;
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14-JUN-2001;
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14-DEC-2001;
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21-FEB-2002;
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27-FEB-2002;
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                                                                                                03-JAN-2003
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or activity of the polypeptide, such as cancer, diabetes, obesity, and endocrine, CNS and inflammatory disorders. They can also be used in various detection and screening assays, chromosome mapping, tissue typing and predictive medicine. This sequence corresponds to a primer used to amplify and isolate the coding sequence for one of the polypeptides of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAT41527-T41541 are exon-specific PCR primers used for the amplification of exons 2-8 of the human apolipoprotein-J (ApoJ) gene. The primers were used in a method for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  voligo:nucleotide specific for apolipoprotein-J polymorphisms - used identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Apolipoprotein J, ApoJ, polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                          Gaps
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                                                                                                                                                 Score 18.8; DB 1; Length 22; Pred. No. 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human apolipoprotein-J gene exon 7-specific 3' PCR primer
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                                                                                                                                                                                          2; Indels
                                                                                                                        Sequence 22 BP; 1 A; 7 C; 3 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 BP; 3 A; 4 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                      ed. No. 94;
Mismatches
                                                                                                                                                                                                                            264 AACCTAGAAGAAGCCAAGAAGA 285
                                                                                                                                                                                                                                              22 AAGCTAGAGGAAGCCAAGAAGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 20; 62pp; English.
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                                                                                                                                                          1.1%;
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                                                                                                                                                                                            20; Conservative
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                                                                                                                                                        Query Match
Best Local Similarity
                                                                                         the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                     24-JUN-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9632502-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
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regional mapping; confirmation; hStAR; ss.
                                                                                                                                  (REGC ) UNIV CALIFORNIA.
(UYPE-) UNIV PENNSYLVANIA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-404805/43.
                                                                                                                                                                                                                                    adrenal hyperplasia.
                                                                                                                                                                                        WPI; 1996-443130/44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                              23-MAR-1995;
                                                                                         22-MAR-1996;
                                             WO9629338-A1
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                                                                   26-SEP-1996.
                                                                                                                                                                   Miller WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Monia BP,
                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABN99657;
                                                                                                                                                                                                                                                                                                                                                 Query Match
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ABN99657
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                                                                                                                                                                                                                                                                                                                                                                                                                                      exon-specific PCR primers used for the amplification
                                                                                                                                                                                                                                                                                                                                                                                                                                      AAT41527-T41541 are exon-specific PCR primers used for the amplification of exons 2-8 of the human apolipoprotein-J (Apol) gene. The primers were used in a method for detecting polymorphisms associated with an allelic variation in the Apol gene. The oligonucleotide (OG) detects the probability of a person developing Alzhaimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an Apol gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                       - nsed
                                                                                                                                               Apolipoprotein J, ApoJ, polymorphism, detection, allele, exon, probe, primer, specific, Alzheimer's disease, polymerase chain reaction, PCR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                     New oligo:nucleotide specific for apolipoprotein-J polymorphisms - v
to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chromosome 8p clustrin gene (CL1) specific primer (nt 2836-2854)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chromosome 8p; polymerase chain reaction; PCR; primer; CL1; clustrin gene; human; steroidogeneis; acute regulatory protein;
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                                                                                                                          Human apolipoprotein-J gene exon 2-specific 5' PCR primer.
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                                                                                                                                                                                                                                                                                                       (UYCO ) UNIV COLUMBIA NEW YORK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22 CGTGCAAAGACTCCAGAA 39
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                                                           ВР
     CAACGAGCTGCTAAAGTC 1
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                                                           AAT41527 standard; DNA; 18
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                                                                                                       (first entry)
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Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                   WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                              Tycko B;
                                                                                                                                                                      diagnosis; ss.
                                                                                                                                                                                                                  WO9632502-A1
                                                                                                                                                                                                                                                             02-APR-1996;
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                                                                                                       24-JUN-1997
                                                                                                                                                                                                                                       17-0CT-1996
                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                              Mayeux R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT39501;
     18
                                                                                  AAT41527;
                                                                                                                                                                                                                                                                                                                                                                                               cancer.
                                       RESULT 179
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The present sequence is a human chromosome 8p clustrin gene (CL1) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
                                                                                                                                                                                                                                                                                                                                                                            Isolated human steroidogenesis acute regulatory protein gene - used for detection of mutation(s) of this gene that cause congenital lipoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder, ss, PCR, primer, hyperproliferative disorder, hyperlipidemic disorder.
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100.0%; Pred. No. 60;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 BP; 3 A; 5 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 7; Page 51; 89pp; English.
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                                                                                                                                                                                                                                             Lin D, Strauss JF;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human clusterin PCR primer 1.
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96WO-US003896
                                                                     95US-00410540
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(MIYA/)
(NELS/)
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                                                                                                      Matches
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ADM83080/
82663
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                                                                                                                                                                                                                               The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the real-confidence 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence (a ACR3598 (I) is used; (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-sensitive prostatic cancer cells to the androgen-sensitive or vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apportosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a syndrgistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed
                                                                                                                                                                                                                               ö
                                                  inhibiting expression of the human clusterin gene. The antisense objectives of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a PCR primer used to amplify the human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                       capable of
                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                               ö
                                       invention comprises antisense oligonucleotides that are
                                                                                                                                                                                                   DB 1; Length 18;
60;
                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA sequence of a TRPM-2 mismatch control oigonucleotide.
                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Monia BP
                                                                                                                                                                          Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nelson C,
                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                   1.1%; Score 18;
100.0%; Pred. No.
              Example 13; Page 80; 125pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 13; Page 20; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Miyake H,
                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                         763
                                                                                                                                                                                                                                                                                 rcceraceaececerdaa 18
                                                                                                                                                                                                                                                                                                                                                      ACF36409 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-FEB-2003; 2003WO-US005305.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               22-FEB-2002; 2002US-00080794.
                                                                                                                                                                                                                                                       TCCGTACGAGCCCCTGAA
                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gleave M, Rennie PS,
                                                                                                                                                                                                             Local Similarity
nes 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2003072591-A1.
                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                  П
                                                                                                                                                                                                                                                         746
                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                               ACF36409
                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                           RESULT 182
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismatch oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radistion-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; ss.
                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                        mismatch control oigonucleotide, used in antisense assays of anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2)
against other antiapoptotic genes. The present sequence represents
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                      Score 17.8; DB 1; Length 21;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 17.8; DB 1; Length 21;
Pred. No. 1.1e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zellweger
                                                                                                           Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Miyake H, Nelson C,
                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Control TRPM-2 mismatch oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 15; 14pp; English
                                                                                                                                                                                                                                                                                              48 ATGATGAAGACTCTGCTG 68
                                                                                                                                                                                                                                                                                                                               21 ATGATAAATACTCTGCTGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADM83080 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-JUN-2004 (first entry)
                                                                                                                                                                                                                                   19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-778017/73.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                       Best Local Similarity
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(RENN/) RENNIE P S
(MIYA/) MIYAKE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003158130-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-AUG-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM83080;
                                                                                                                                                                         Query Match
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AAT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotein-J (ApoJ) gene. The oligonucleotide (OG) detects the probability of a person developing Albachimer's diseases (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
 Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                        New oligo:nucleotide specific for apolipoprotein-J polymorphisms - 1 to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumour suppression related human fukutin oligo SEQ ID No 253.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 68;
ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 5 A; 8 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 21; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       984 IGTICCACCAACAACCC 1000
                                                                                                                                                                                                               (UYCO ) UNIV COLUMBIA NEW YORK,
                                                                                                                                                                                  95US-00420291.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGTTCCACCAACAACCC 17
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                                                                                                                                                      96WO-US004510
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-SEP-2001; 2001FR-00011978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABT34616 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-JUN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                         WPI; 1996-477152/47.
                                                                                                                                                                                                                                               Mayeux R, Tycko B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003025175~A2.
                                                                                                                                                      02-APR-1996;
                                                                                                                                                                                  11-APR-1995;
                                                                                        WO9632502-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                        17-0CT-1996
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                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABT34616;
                                                                                                                                                                                                                                                                                                                                       cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AMT41526 is a primer/probe used to detect a J3 allelic variation in the human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                        Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                             Human apolipoprotein-J gene J3-allelic variant primer/probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 68;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 29; Page 41; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1023 GAGCTCGACGAATCCCT 1039
ATGATGAAGACTCTGCTGCTG
                            Argaraaracrcrecrecre
                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYCO ) UNIV COLUMBIA NEW YORK
                                                                                                      AAT41526 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                           95US-00420291.
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                                                                                                                                                                 (first entry)
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Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tycko B;
                                                                                                                                                                                                                                                                                                                   WO9632502-A1
                                                                                                                                                                                                                                                                                                                                                                             02-APR-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-JUN-1997
                                                                                                                                                                 24-JUN-1997
                                                                                                                                                                                                                                                                                                                                               17-0CT-1996
                                                                                                                                                                                                                                                                                      Synthetic.
                      21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mayeux R,
48
                                                                                                                                   AAT41526;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer.
                                                                       RESULT 184
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ID AAT4
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Gaps

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Telerman A, Amson R,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-MAR-1994.
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14-APR-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                      The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. May of the nucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration of pharmaceuticals for prevention and/or treatment of viral callication and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in setting the polypeptide and antibodies are useful as components of protein chips. The polypeptide acid sequences of the invention can be used in gene chirally characterises of the invention can be used in gene chirally characterises of the invention can be used in gene chiral characterists of the expression can be used in gene chiral characterists of the expression can be used in gene chiral characterists are useful as components of protein chips. The nucleic acid sequence represents a tumour suppression call characterists are useful as expression.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                     New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cytostatic, antiviral, neuroprotective, nootropic, neuroleptic, ss;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0%; Score 17; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 68; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tumour suppression/reversion associated nucleotide #6031.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                            Disclosure; Page 63; 720pp; French.
                                   Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1551 GATCCTGCACTCTAACA 1567
(MOLE-) MOLECULAR ENGINES LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GATCCTGCACTCTAACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB45708 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-SEP-2002; 2002WO-IB004219
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                                                                                                                                         and transfected cells.
                                   Amson R,
                                                                    WPI; 2003-313353/30.
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                                   relerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-MAY-2003
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fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 8% identity, after optimal alignment, with the nucleotides, a sequence that the indiazed so it is a sequence to it is a sequence that the indiazed so it is a sequence to it is a sequence or it is a sequence. The nucleotides are used as probes or primers for detecting, so it is a sequence or it is 
                                                                                                        New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus; HCV; non-A, non-B hepatitis virus; NAWBHV; antisense oligonucleotide; translation inhibition; therapy; 5'-UTR; 5'-untranslated region; loop C; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 17; DB 1; Length 17;
Pred. No. 68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MOCH ) MOCHIDA PHARM CO LTD.
(KAGA ) CHEMO SERO THERAPEUTIC RES INST.
(ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                             Disclosure; Page 737; 771pp; French.
Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1551 GATCCTGCACTCTAACA 1567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        expression of the nucleotides.
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(first entry)
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Best Local Similarity 100.(
....hes 17; Conservative
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(revised)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-NOV-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-AUG-1993;
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                                                                                                                                                                                                                                                                                            25-MAR-2003
19-DEC-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Process for hybridising
                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                     AAQ68062;
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AAX14650
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                                                                                                                                                                                                                                 AAQ68062/
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                                                                                                             Antisense oligonucleotides were synthesised which are complementary to target sequences located at 10-nucleotide intervals from nucleotide 1 to 239. in the HCV RNA 5'-untranslated region. Of these sequences (CAS-1 to CAS-120), oligonucleotide CAS-110 (NAQ58403), which is complementary to a portion of loop C, was found to cause greater than 80% inhibition of core protein translation. The nucleotide at position 119 in loop C has a high variation rate among HCV strains so oligonucleotide CAS-110-1-119 was synthesised in which inosine replaced the T (corresp. to A at position 119) in CAS-110. The CAS-110-1-119 showed an inhibitory activity of more than 70% A control oligonucleotide (CAS-110) showed much lower activity. See AAQ58488-Q58422, AAQ44885-Q44892 and AAQ58183. (Updated on 25-MAR-2003 to correct PN field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel mammalian expression vector, under which expression of the structural genes of western equine encephalitis (WEE) virus strain 71V-1658 have been placed under the control of a eukaryotic promoter. The expression vector has anti-encephalitis activity. The invention provides a means of developing a vaccine to the WEE virus which
                                                 Anti:sense oligo:nucleotide(s) complementary to hepatitis C viral genome - useful for inhibiting HCV replication, to treat related diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ss; expression vector; western equine encephalitis; WEE; anti-encephalitis; vencephalitis; vencephalitis;
                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  western equine encephalitis (WEE) virus strain used to develop DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Western equine encephalomyelitis virus 26S region PCR primer WEEP2
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                                                                                                                                                                                                                                                                                    Sequence 20 BP; 2 A; 3 C; 14 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 vaccines to WEE virus and related alphaviruses.
  Furukawa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Western equine encephalomyelitis virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 28; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                 1510 GCCICCAGGCCCCCAACTCC 1529
                                                                                          Example 7; Page 24; 91pp; English.
                                                                                                                                                                                                                                                                                                                                                                                 20 GCCTCCAGGCCCCCCTCC 1
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  Eto T,
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Matches 18; Conservative
  Hamada F,
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    Nakatake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCR; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          genotyping Hepatitis C virus (HCV) isolates - utilises probes to HCV isolate domains.
is important for protection against an aerosol challenge of WEE used in biological warfare. The prophylactic method of the invention is used for inducing a protective immune response to eastern equine encephalitis virus and Venezuelan equine encephalitis virus in a mammal. The present sequence represents a WEE virus 26S region PCR primer.
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                                                                                                                                                                                              1.0%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 1.3e+02; Live 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 16;
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                                                                                                                                                Sequence 20 BP; 2 A; 7 C; 6 G; 5 T; 0 U; 0 Other;
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Pred. No. 75;
0; Mismatches (
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                                                                                                                                                                                                                                                                                                    524 CGACTCCCTGCTGGAGAACG 543
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16 CAGCCTCCAGGCCCCC 1
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93EP-00402129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ68062 standard; DNA; 16
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Best Local Similarity 90.0v
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Best Local Similarity 100.
Matches 16; Conservative
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24-MAR-1999

US5861244-A. 19-JAN-1999

Hepburn AG,

Assay of getranded bacteria.

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The invention comprises a method for generating an oligonucleotide involving: determining from a secondary structure of RNA from an exon, a region that assumes a structure that is hybridised to another part of the region that assumes a structure that is not hybridised in the structure (open structure); and subsequently generating an oligonucleotide, where at least one part of the oligonucleotide is complementary to the closed structure and at least one part of the oligonucleotide is complementary to the open structure. The gene from which the RNA comprising the exon is transcribed, may be selected from: a berrant Duchenne muscular dystrophy gene (DMD), a collagen VI alpha 1 gene (CDL6A1), a myotubular dystrophy gene (DMD), a collagen VI alpha 1 gene (CDL6A1), and/or a calpain 3 gene (CAPN3). The clystonicleotides produced by the method of the invention are useful for: for the treatment of an inherited disease; for inducing exon skipping in a pre-mRNA; for altering exon-recognition in a pre-mRNA, and for altering the efficiency with which a splice donor or splice acceptor sequence is used by a splicing machinery. The present RNA sequence is antisense oligonucleotide that is targeted to the DMD gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            determining from a structure of RNA from an exon, a region that assumes a structure hybridized to another part of the RNA and a region that is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DMD; Duchenne muscular dystrophy; collagen VI alpha 1; COL6A1; myotubular myopathy 1; MTM1; dysferlin; DYSF; laminin-alpha 2; LAMA2; emery-dreyfuss muscular dystrophy; EMD; calpain 3; CAPN3; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Generating an oligonucleotide for treating diseases, comprises
                                                                                              /mod_base= OTHER
/note= "OTHER = Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                    Den Dunnen JT,
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100.0%; Pred. No. 1.4e+02;
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                         Location/Qualifiers
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100.0%; Pre-
0; N
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                                                                                                                                                                                                                                                                       21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hybridized in the structure.
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                                                   l. .19
/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-691055/67.
                                                                                                                                                                      WO2004083432-A1
                            Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                    Van Ommen GB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADS73873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADS73873/c
     δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2X2X5X5X5XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence represents a potential triple-helix forming region. It can be used to demonstrate the assay of the invention. The assay comprises adding a sample containing double-stranded DNA test sequences, e.g. containing the present sequence, to an aqueous medium containing at least one complex of anchor DNA, attached to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA is designed to form a triple-strand etructure with part of the test sequence. Triplex formation results in displacement of the reporter DNA which is detected as an indication of the presence of the DNA test sequence. The method is used to detect DNA sequences, particularly for identification of bacteria (DV) detecting genes for ribosomal RNA) in clinical samples, but also detection of oncogenes and Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Duchenne muscular dystrophy gene-specific antisense oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense oligonucleotide; Duchenne muscular dystrophy gene; DMD gene; pre-mRNA recognition alteration; inherited disease; pre-mRNA exon skipping induction; splicing machinery efficiency; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                            Triple helix forming nucleotides 5967-5983 of the dystrophin gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
                                                                                                                                                                                             Triple-helix forming region, Triplex formation, DNA détection, identification, bacteria, oncogene, virus, ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.0%; Score 16; DB 1; Length 17;
100.0%; Pred. No. 94;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 10 A; 0 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Col 15-16; 168pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PROF-) PROFILE DIAGNOSTIC SCI INC.
AAX14650 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP
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                                                                                                                                                                                                                                                                                                                                                                                                                 93US-00173489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    92US-00968436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGAAGAAGAAAGAGGA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADS00161 standard; RNA; 19
                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wang C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-130384/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                    22-DEC-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-OCT-1992;
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аввишев а

Aartsma-Rus A;

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Gaps

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Unidentified

ADS00161;

SXXXXXXXXXXXXXXX

Query Match Best Loca Matches

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Length 19; 0; Indels

Synthetic

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The invention describes a new antisense oligonucleotide, having a sequence comprising 8-80 bp targeted to a nucleic acid encoding PCTAIRE protein kinase 2, that specifically hybridises with the nucleic acid encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antisense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human PCTAIRE protein kinase 2 antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                            /mod_bass= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonuclectide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= c
/mod_base= OTHER
/note= "OTHER= 2'-O-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mod_base= OTHER
/note= "OTHER= 2'-O-Methoxyethyl (2'-MOE) nucleotides"
15. .20
                                                                                                                     gene therapy; antisense technology; PCTAIRE protein kinase 2; neurological disorder; human; PCTAIRE protein kinase 2; ss.
                                                              Human PCTAIRE protein kinase 2 antisense oligonucleotide #71.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 16; DB 1; Length 20;
00.0%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 1 A; 8 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                     are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; SEQ ID NO 84; 58pp; English.
                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160787
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                                                                                                                                                                                                                                                                                                                                                                                                                 1. .5
/*tag= a
                     22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                            Ω
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Les 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                1. .20
/*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003225256-A1
                                                                                                                                                                                                                                                             Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                   modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      modified_base
                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loca
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 1
ADI19270
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BXZXXX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to generating an oligonuclectide and involves determining from a secondary structure of RNA from an exon, a region that seasumes a structure that is hybridised to another part of the RNA (closed structure), and subsequently generating an oligonuclectide, where at cast a part of the oligonuclectide is complementary to the closed structures are adjacent to each other. The complementary to the open structures are adjacent to each other. The complementary to the open and closed structures are adjacent to each other. The complementary to the open and closed structures are adjacent to each other. The complementary to preferably a 2 - O-methyl modified ribose (RNA) or consisted splicing in a subject. The pre-mRNA comprising the exon from mRNA produced from the pre-mRNA comprising the exon from mRNA produced from the pre-mRNA generates a coding region for a protein. The gene (COLGA1), a myotubular myopathy I gene (MTM), a collagen VI alpha 1 compound is useful for at least in part altering recognition of the exon or exons in a pre-mRNA; for the pre-mRNA), an emery-dreyfuss muscular compound is useful for at least in part altering recognition of the exon or exons in a pre-mRNA; for the preparation of a medicament of an inherited disease; for inducing exon skipping in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for the preparation of a medicament of a subject or exons in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering expense of the pre-mRNA; for altering expense of the pre-mRNA; for altering expense of the pre-mRNA; for al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                 Generating an oligonucleotide for treating diseases, comprises determining from a structure of RNA from an exon, a region that assumes a structure hybridized to another part of the RNA and a region that is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    by a splicing machinery; for inducing exon-skipping of two, three, or more exons in a pre-mRNA; or for inducing skipping of the at least two exons and a sequence located between the at least two exons (intervening sequence) on the pre-mRNA, where intervening sequence further comprises exon or exons. Sequences ADS73865-ADS73903 represent antisense oligonucleotides (AONs) used to study targeted skipping of 15 different
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                    Aartsma-Rus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                 Den Dunnen JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19 BP; 0 A; 8 C; 1 G; 0 T; 10 U; 0 Other;
                                                                                                                                                                                                                                                                                                                       Van Ommeren GB, Van Deutekom JCT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 88; 117pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.0.0%; Fig.
                                                                                                                                                                                                                                                                   (ZIEK-) ACAD ZIEKENHUIS LEIDEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       280 AGAAGAAGAAGAGGA 295
                                                                                                                                                                                                                  21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                                 22-MAR-2004; 2004WO-NL000196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hybridized in the structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGAAGAAGAAGAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-691060/67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 16; Conserv
                                                              WO2004083446-A2.
                                                                                                               30-SEP-2004
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0

Gaps

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0; Indels

Human PCTAIRE protein kinase 2 antisense oligonucleotide #124.

(first entry)

22-APR-2004

ADI19217 standard; DNA; 20

RESULT 194 ADI19217, ADI19217

SX3

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Query Match

Oegema K;

Jones S,

Coulson A,

10828394-1 1-1643.rng.sl

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New Caenorhabditis elegans genes required for viability, growth or reproduction of nematodes, useful for diagnosing or treating e.g. onchocercoma or elephantiasis in humans or animals, or plant diseases
                                                                                                                                                                           Goenczy P, Hyman A,
                                                                                                                                                                                                                                                                                             Example 2; Page 28; 35pp; English.
                                                                                                                                                    (CENI-) CENIX BIOSCIENCE GMBH
                                                                                                      09-NOV-2001; 2001WO-EP013038
                                                                                                                              09-NOV-2000; 2000US-0246721P
                                                                                                                                                                                                                                                                       caused by e.g. Heterodera.
                       Caenorhabditis elegans.
                                                                                                                                                                                                            WPI; 2002-471547/50.
                                                         WO200238600-A2
                                                                                                                                                                         Echeverri C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JAN-2004
                                                                                16-MAY-2002.
  primer; 88.
                                                                                                                                                                                        Kirkham M;
                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD00110;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention describes a new antisense oligonucleotide, having a sequence comprising 8-80 bp targeted to a nucleic acid encoding PCTAIRE protein kinase 2, that specifically hybridises with the nucleic acid encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antisense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human PCTAIRE protein kinase 2 antisense oligonucleotide.
                                                                                                      /mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                              "mod_base= OTHER
'note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                          'note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caenorhabditis elegans; C. elegans; reproduction; development; antinematode; nematocide; plant protectant; gene therapy; infection; calabar swelling; lymphatic filariasis; elephantiasis; onchocercoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
            gene therapy, antisense technology, PCTAIRE protein kinase 2, neurological disorder, human, PCTAIRE protein kinase 2, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; Score 16; DB 1; Length 20; 100.0%; Pred. No. 1.6e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Caenorhabditis elegans related dsRNA2 upstream primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seguence 20 BP; 9 A; 2 C; 8 G; i T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 137; 58pp; English.
                                                                                                                                are 5-methylcytidines"
                                                                     Location/Qualifiers
                                                                                                                                                                                                     /*tag= c
/mod base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1583 CATGGGAAGAACAGAA 1598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CATGGGAAGAACAGAA 19
                                                                                                                                                                                                                                                                                                                    31-MAY-2002; 2002US-00160787
                                                                                                                                         1. .5
/*tag= a
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                                                                                                                                                                                     15. .20
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                                                                                 1. .20
/*tag=
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                                                                                                                                                                                                                                                 US2003225256-A1
                                                                      Key
modified_base
                                                                                                                                           modified base
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                                                Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABN88070;
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Matches
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which encodes a polypeptide (II) required for the viability and/or prowth and/or reproduction of nematodes (Caenorhabditis elegans), or its and/or reproduction of nematodes (Caenorhabditis elegans), or its and/or reproduction of nematodes (Caenorhabditis elegans), or its and can be used in gene therapy. (I) is useful for producing (II) required for the viability, growth and/or reproduction of nematodes.

Nucleic acids, probes, polypeptides, fusion proteins and antibodies from the present invention are also useful in a screening assay for interacting drugs that inhibit, situmlate or affect worm growth, viability or reproduction. They are useful for diagnosing or treating to numan or animal diseases associated with the infection or presence of nematode worms, e.g. Wucheria bacroffit, Brugia malayi, Loa loa or onchocerca volvulus. These diseases include calabar swellings, lymphatic concornasis (elephantisais) or onchocercoms. The nucleic acids, probes, polypeptides, fusion proteins and antibodies are also useful for diagnosing or treating plant diseases associated with the infection or presence of nematode worms. Furthermore, the nucleic acid and amino acid sequences are useful for developing computational models, structural models or other models for evaluating drug binding and efficacy. The concept of the properties of the properties of the presence of presents apprimer which is used in an example from the
The present invention describes an isolated nucleic acid molecule (I),
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Score 15.8; DB 1; Length 19; 99.5%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCAGAAGCAGATGCTGGAT 19
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Yang Y;

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short interfering nucleic acid; siNA; virus replication inhibition; hepatitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatocellular cancer; cirrhosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New double-stranded short interfering nucleic acid comprises sugarmodified pyrimidine bases useful for treating infection with hepatitis C
                                                                                                                                   The invention relates to a novel isolated double stranded RNA oligonucleotide about 19 to about 25 ribonucleotides in length or its equivalent. One strand of the oligonucleotide comprises the same nucleotide sequence as a region of a hepatitis C virus (HCV) target RNA polynucleotide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonucleotide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus short interfering nucleic acid sense strand SeqID305.
                                                            New double stranded RNA oligonucleotide, useful for preparing composition for treating or preventing hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                  1.0%; Score 15.8; DB 1; Length 19; 84.2%; Pred. No. 1.5e+02; ative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
 Martinez A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L, Macejak D,
                                                                                                         Disclosure; Page 61; 173pp; English.
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                                                                                                                                                                                                                                                                                             RNA sequence of the invention.
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2002US-0363124P.
2002WO-US009187.
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2002US-0401104P.
2002US-0406784P.
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2002US-0409293P.
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 Lu J, Glass JI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                     16, Conservative
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                               WPI; 2003-268345/26
                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
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26-MAR-2002;
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 Zhao G,
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                                                                                                                                                                                                                                                                                                                                                    The invention relates to a novel isolated double stranded RNA oligonucleotide about 19 to about 25 ribonucleotides in length or its equivalent. One strand of the oligonucleotide comprises the same nucleotide sequence as a region of a hepatitis C virus (HCV) target polynucleotide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonucleotide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                            composition for treating or preventing hepatitis C virus
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                                                                                                                                                                                                                  Yang Y;
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                                                                                                                                                                                                                 Zhao G, Lu J, Glass JI, Martinez A,
                                                                                                                                                                                                                                                                                                                       Disclosure, Page 48; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   222 CTCATAGAAAAAAGG 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the invention.
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                                                                                                                       17-AUG-2001; 2001US-0313076P.
20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
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20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
                                                                                           16-AUG-2002; 2002WO-US021843
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Matches 16; Conservative
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Hepatitis C virus
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                               WO2003016572-A1
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RESULT 20
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                                          This invention relates to novel double-stranded short interfering nucleic acids (sink) that inhibits replication of hepatitis C virus (HCV), where cone strand is an antisense setrand (ASS) that is complementary to (part of) an HCV RNA (portion) and a sense strand (SS) that is complementary to (part of) an HCV RNA (portion) and a sense strand (SS) that is complementary to ASS, and where most of the pyramidine nucleotides comprise a sugar of the invention may allow development of compounds with virucide, antiinflammatory, hepatotropic or cytostatic activities by modulation (inhibition) of expression or activity of HCV RNA, by RNA interference. The sink's of the invention may be used to inhibit replication of HCV, in cells, tissue explants or organisms, for treating HCV infection and its consequences (liver failure; hepatocellular cancer and cirrhosis), and also for drug screening, pharmacogenomics, studying gene function and gene mapping (for example of single-nucleotide polyamorphisms). The chemical modification improves stability, activity, cellular uptake and/or binding affinity. The sink as be directed to conserved regions of HCV genes, so are active against many different
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        short interfering nucleic acid; siNA; virus replication inhibition; hepatitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatoccellular cancer; cirrhosis; ss.
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                                                                                                                                                                                                                                                                               Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
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                       Example 3; SEQ ID NO 305; 183pp; English.
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                                                                                                                                                                                                                                                                                                                                                        222 CTCATAGAAAAACAAACG 240
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2002WO-US009187.
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05-AUG-2002;
29-AUG-2002;
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26-MAR-2002;
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This invention relates to novel double-stranded short interfering nucleic acids (siNA) that inhibits replication of hepatitis C virus (HCV), where cone strand is an antisense strand (ASS) that is complementary to (part of an HCV RNA (portion) and a sense strand (SS) that is complementary to (part of ASS, and where most of the pyrimidine nucleotides comprise a sugar modification. The invention may allow development of compounds with virucide, antiniflammatory, hepatotropic or cytostatic activities by modulation (inhibition) of expression or activity of HCV RNA, by RNA interference. The siNA's of the invention may be used to inhibit correction and its consequences (liver failure; hepatocellular cancer and cirrhosis), and also for drug screening, diagnosis, target dentification and validation, genetic engineering, pharmacogenomics, studying gene function and gene mapping (for example of single-nucleotide polymorphisms). The chemical modification improves stability, activity, cellular uptake and/or binding affinity. The siNA can be directed to
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New double-stranded short interfering nucleic acid comprises sugarmodified pyrimidine bases useful for treating infection with hepatitis {\tt C}
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                                                                                                                                 Example 3; SEQ ID NO 1001; 183pp; English.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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*tag=
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Synthetic.
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Gonos ES;
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WPI; 2004-226852/21.
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Les 17; Conserv
                                                           disease or cancer.
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Matches
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                                                                                                           The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to human clusterin. The antisense strand is also provided ADL70463. The siRNA can be used to interfere with the expression of clusterin, clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate timour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing or in combination with other chemotherapy or apoptosis inducing or in treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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/note= "OTHER= dTdT"
                                                                                         Claim 4; SEQ ID NO 7; 63pp; English.
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1 UAAUUCAACAAAACUGUTT 19
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20-MAY-2003; 2003US-0472387P.
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            WPI; 2004-226852/21.
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modified_base
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Synthetic.
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Gonos ES;
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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
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                                                                                                                                                                                                 Claim 4; SEQ ID NO 8; 63pp; English.
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/note= "OTHER= TT
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invantion relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide AD170404-AD170401 or short interfering RNA (siRNA) AD170422-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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short interfering RNA, siRNA, DNA-RNA hybrid; ss.
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Pred. No. 1.5e+02;
5; Mismatches 2;
                                     Claim 10; SEQ ID NO 24; 32pp; English.
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18. .19
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clusterin in the melanoma cells.
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UAAUUCAACAAAACUGUTT 19
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(GLEA/) GLEAVE M E.
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Best Local Similarity 63.2
Matches 12; Conservative
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02-DEC-2002;
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                                                                                                                               The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL/0404-ADL/0421 or short interfering RNA (siRNA) ADL/0422-ADL/0445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is significant because bcl-xL is known to act as an inhibitor
                    Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                                                Claim 20; SEQ ID NO 27; 32pp; English.
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/note= "OTHER= TT"
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(GLBA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-MAY-2003; 2002US-0319748P.
20-MAY-2003; 2003US-043387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; clusterin;
short interfering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004018675-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL70426;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 204
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Gaps

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligomucleotide ADL70404 ADL7041 or short interfering RNA (siRNA) ADL7042-ADL7045 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.xL is known to act as an inhibitor.
X22222222
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Sequence 19 BP; 8 A; 3 C; 1 G; 2 T; 5 U; 0 Other;

Gaps . 1.0%; Score 15.8; DB 1; Length 19; 63.2%; Pred, No. 1.5e+02; Indels 5; Mismatches 1616 TAATTCAATAAAACTGTCT 1634 : [|::||| |||||:|: UAAUUCAACAAAACUGUTT 19 Conservative Local Similarity Les 12; Conserv Query Match Best Loca Matches à

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Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; Human apolipoprotein-J gene Jl-allelic specific primer/probe. AAT41543 standard; DNA; 17 BP. (first entry) 24-JUN-1997 AAT41543; RESULT 206 AAT41543 

96WO-US004510 diagnosis; ss. WO9632502-A1 02-APR-1996; 17-0CT-1996 Synthetic.

Tycko B; Mayeux R,

(UYCO ) UNIV COLUMBIA NEW YORK

95US-00420291.

11-APR-1995;

WPI; 1996-477152/47

New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate cancer.

Example 1; Page 21; 62pp; English.

AAT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotein-J (Apol) gene. The oligonuclectide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinome. Transgenic mammals expressing an allelic variant of an Apol gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs

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Gaps

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Indels

0; Mismatches

1000

984 TGTTCCACCAACAACCC

Local Similarity 94.1 es 16; Conservative

Matches

17

1 TGTTCCACCACCACCC

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BP.

AAX63903 standard; RNA; 17

RESULT 208
AAX63903/c
ID AAX6390
XX
AC AAX6390

AAX63903;

Sequence 17 BP; 5 A; 6 C; 3 G; 3 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAT41525 is a primer/probe used to detect a J2 allelic variation in the human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonuclectide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the
                                                                                                                                                                                                                                                                                            Apolipoprotein J; ApoJ; polymorphism; detection; allele, exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR;
                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New oligo:nucleotide specific for apolipoprotein-J polymorphisms - v
to identify patients susceptible to Alzheimer's disease or prostate
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    Length 17;
                                                                                                                                                                                                                                                               Human apolipoprotein-J gene J2-allelic variant primer/probe.
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                                 1; Indels
 Score 15.4; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 27; Page 40; 62pp; English.
                                                               1023 GAGCTCGACGAATCCCT 1039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (UYCO ) UNIV COLUMBIA NEW YORK.
                                                                                          1 GAGCTCAACGAATCCCT 17
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 0.9%;
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                                                                                                                                                                    AAT41525 standard; DNA; 17
                                                                                                                                                                                                                                24-JUN-1997 (first entry)
                                16; Conservative
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Query Match
Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                           diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-APR-1996;
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                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cancer.
                                                                                                                                       RESULT 207
                                                                                                                                                        AAT41525
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Human NOGO Hammerhead Ribozyme #170.

(first entry)

12-MAR-2002

ABK00170;

BP.

ABK00170 standard; RNA; 17

RESULT 209 ABK00170/c

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The present invention describes a novel enzymatic nucleic acid (ENA) having a hammerhead motif (HM) comprising; (i) at least 5 ribose residues; (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii) at least ten 2'-O-methyl modifications; and (iv) a 3'-end modification. The ENA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the treatment or prevention of arthritis, particularly osteoarthritis or rheumatoid arthritis. The ENA's can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for chancing graft tolerance or for treating autoimmune disease, and for treating allergies and other inflammatory conditions. The ENA's can also be used in diagnosis. Ribozyme therapy impacts on the expression of stromelysin without introducing the non-specific effects upon gene expression which accompany treatment with retinoids and dexamethasone. The lower than that required of antisense molecules, and is highly specific. The present sequence is used in the exemplification of the
                                                                            Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enzymatic nucleic acid molecules having a hammer-head motif - used for
the treatment of arthritis, induction of graft tolerance or treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      , Pavco P;
Matulic-Adamic J;
                                               Rabbit stromelysin hammerhead target SEQ ID NO:535.
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sman N, Wincott F,
odak A, Burgin A;
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Modak A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 154; 307pp; English.
                                                                                                                                                                                                                                                                                                                94US-00354920.
94US-00363253.
94US-00363254.
95US-00308080.
95US-00432874.
95US-00432874.
95US-0000951P.
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95US-00541365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gustofson J,
Thompson JD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RIBO-) RIBOZYME PHARM INC.
                 (first entry)
                                                                                                                                                                                   Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         auto-immune diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present invention
                                                                                                                                                    diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beigelman L,
Mcswiggen J,
Karpeisky A,
                                                                                                                                                                                                                  WO9618736-A2
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                 20-JUL-1999
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down copression of a cD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acid (e.g. a ribozyme or a nucleic acid subset of a namberzyme (cleaving RNA with a NGW triplet), a zinzyme (cleaving RNA with a NGW triplet), a zinzyme (cleaving RNA cyth a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA cyth a YGY motif). The CD20-targetting nucleic acid may be used to cheraptes. In particular, the CD20 targetting nucleic acid may be used to cheraptes. In particular, the CD20 targetting nucleic acid may be used to creat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular NHL, lymphocytic leukaemia, HIV (human immunodeficiency virus) associated NHL, immule-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytic lymphoma, targetting nucleic acid is used to cleave RNA of the NOGO gene in the
                                                                                                                                                                 Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOG0; hammerhead ribozyme; DNAzyme; inozyme; declarer; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphom; leukaemia; human immunodeficiency virus; HIV associated NHL; lymphocytic leukaemia; MCI; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; cerebrovascular accident; cVA; Alzheimer's disease; multiple sclerosis; Parkinson's disease; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 88; Page 68; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLATT L.
MCSWIGGEN J.
CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-607195/69.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (RIBO-) H
(BLAT/) H
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Gaps

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Score 15.4; DB 1; Length 17; Pred. No. 1.1e+02; 0; Mismatches 1; Indels

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ilarity 94.1%; Conservative

Query Match Best Local Similarity

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AAGAACAGAATTGCTCC 1605

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AAGAACAGAATTTCTCC 1

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        presence of a division to the presence of the nucleic acid may be contacted with a cell to reduce NOGO activity of the cell and treat a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
 presence of a divalent cation that is preferably Mg^2+. Furthermore, the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart, muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8666.
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                                                                                                                                                                                                                                                                                        1; Indels
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                                                                                                                                                                                      sequence is a hammerhead ribozyme of the invention
                                                                                                                                                                                                                      Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rank DR,
                                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hanzel DK,
                                                                                                                                                                                                                                                                                                                         1619 TTCAATAAAACTGTCTT 1635
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WG-US000670.
05-FEB-2001; 2001US-0266860P.
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
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2000US-0234687P.
2000US-0236359P.
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2001WO-US000661.
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Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                            ABN08674 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AEOM-) AEOMICA INC.
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                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 210
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 mucleic acids in samples, as amplification substrates, to hGDMLP-1 correction variants having desired phenotypic improvements, and for capressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically proteins, as specific biomolecute and/or amount specifically proteins, as specific biomolecute and/or amount specifically proteins, as specific biomolecute capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The consent associated with the expression of hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the sevention of the present invention. N.B.

The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MD23; MD24; MD27; MD212; chromosome 7g22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15g26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23,
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 15.4; DB 1; Length 17; 04.1%; Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human MDZ3 scanning oligonucleotide SEQ ID 1451.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 8; SEQ ID NO 1451; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              273 GAAGCCAAGAAGAA 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB00465 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JUL-2002; 2002EP-00016874.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  32-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 GAAGCCAAGAAGGAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-NOV-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-423107/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EP1281758-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-FEB-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB00465;
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             proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is moroded at chromosome 7921.1, MD24 is encoded at chromosome 6721.3.22.2, MD27 is encoded at chromosome 15921.3.22.2, MD27 is encoded at chromosome 1591.3.22.2, MD27 is encoded at chromosome 1591.3.22.2, MD27 is encoded at chromosome 1591.3.22.2, MD27 is manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids can also be used as probes to detect and characterize gross alterations in MD23, MD24, MD27, or MD212 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
HBV reverse transcriptase; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; 88.
 The present invention relates to novel human zinc finger-containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lee P;
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                                                                                                                                                                                                                                                                                                                           0.9%; Score 15.4; DB 1; Length 17; 14.1%; Pred. No. 1.1e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pavco
                                                                                                                                                                                                                                                                                       Sequence 17 BP; 3 A; 7 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HCV minus strand DNAzyme substrate sequence #736.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                     928 GCTGCCTGCGGATGAAG 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACD62817 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00874749.
09-JUN-2001; 2001US-0386876P.
24-OCT-2001; 2001US-0338659P.
                                                                                                                                                                                                                                                                                                                                                                                                                                     17 gerecerecedenda 1
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                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 94.1%;
Matches 16; Conservative
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Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200281494-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-OCT-2002
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD62817;
                                                                                                                                                                                                                                                                                                                               Query Match
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(LEEP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (BLAT/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MORR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 212
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds the invention are useful for the treatment of degenerative and issease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
                                 Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis, antisense; enzymatic nucleic acid, hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule, aptemer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HCV DNAzyme substrate sequence #1542.
                                                                                                            Claim 1; Page 288; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  783
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08-UIN-2001, 2001US-00877478.
08-UIN-2001, 2001US-0296876P.
24-OCT-2001, 2001US-0335059P.
05-DEC-2001, 2001US-0337055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  767 CCACGCCATGTTCCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD59852 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 94.1 es 16; Conservative
WPI; 2003-229207/22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-SEP-2003
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                                                                             infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACD59852;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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(MOLE-) MOLECULAR ENGINES LAB
                                 relerman A, Amson R,
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(MCSW/) N
(ROBE/) I
(PAVC/) I
(MACE/) N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT
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                                                                                                                                                                                                                    The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, Inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decory molecules and aptemers that bind to HBV reverse transcriptuse primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV genes and/or HBV severse transcriptuse primer sequences, as well as oligonucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
primer; probe; tumour suppression; tumour reversion; apoptosis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                   Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
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Б
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tumour suppression/reversion associated nucleotide #5826.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                              Pavco
                                                                                              Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                              Mcswiggen J,
                                                                                                                                                                                                   Claim 1; Page 261; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        766 TCCACGCCATGTTCCAG 782
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 70.6
                                                                                              lacejak D,
Roberts E;
             MCSWIGGEN J.
MORRISSEY D.
                                                                                                                               WPI; 2003-229207/22
                                                LEE P.
DRAPER K.
ROBERTS E.
   MACEJAK D.
                                                                                            Macejak
                                   PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2003040369-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diagnosis.
                                                                                              Blatt L, 1
Draper K,
                                                                                                                                                                              infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADB45503;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                           (DRAP/)
(ROBE/)
                                     (PAVC/)
(LEEP/)
   (MACE/)
                        MORR/)
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fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 8% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides or the nucleotides are used as probes or primers for detecting, identifying adultifying and/or amplifying nucleid as probes or primers for detecting, compression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to preper transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases the models of the nucleotides (also vectors containing them of viral infections or diseases characterized by development of tumours or call degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and polypeptides can be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                               New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 15.4; DB 1; Length 17;
Pred. No. 1.18+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 4 A; 7 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HCV DNAzyme substrate sequence #1542.
                                                                                                                                                                                                      Disclosure; Page 713; 771pp; French.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GATCCTGCACTCTACCA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-DEC-2000; 2000US-00740332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-DEC-2000; 2000US-00740332.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9
Best Local Similarity 94.1
Matches 16; Conservative
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MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ROBERTS E.
PAVCO P A.
MACEJACK D.
WPI; 2003-441574/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis C virus
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from Which are conservative substitutions and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; growth factor; zapol; angiopoietin homologue; cell growth; tissue development; multimeric protein; hematopoietic; angiogenic; tissue evascularization; full-thickness skin wound; venous stasis ulcer; fracture repair; skin grafting; reconstructive surgery; transplanted cell; PCR primer; ss.
                                                                                                                                                             Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zapol, a novel angiopoietin homologue, and related DNA, useful for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer for DNA encoding a human growth factor designated zapol
                                                                                        Shannon ME;
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                          Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 15.4; DB 1;
94.1%; Pred. No. 1.1e+02;
                                                                                          Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 8666; Opp; English
                                                                                        Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 289
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AAX85604 standard; DNA; 18
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                                                                                        Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ZYMO ) ZYMOGENETICS
                 (RANK/) RANK D.
(CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                                                                                            WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-405158/34.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
es 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                         function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 273
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HAN2/)
                                                                                          Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 217
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                                                                                        Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                  The invention relates to an enzymatic nucleic acid molecule which specifically clasues RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
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hGDMLP-1 agoniet hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                                                                                                                                                                                                                                                                                                                    Match 0.9%; Score 15.4; DB 1; Length 17; Local Similarity 70.6%; Pred. No. 1.1e+02; Los 12; Conservative 4; Mismatches 1; Indels
                   Macejack D;
                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                   Pavco PA,
                                                                                                                                                                 Claim 1; SEQ ID NO 1542; 198pp; English
                   Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:8666.
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2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000663
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                   Мсвwiggen J,
                                                   WPI; 2004-031273/03.
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JI Y.
PENN S G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004137589-A1.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
05-FEB-2001;
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27-SEP-2000;
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                   Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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(PENN/)
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Matches
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AAV31968 standard; DNA; 15
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                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 88.9
Matches 16; Conservative
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/*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     modified_base
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05-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
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                                               PCR primers AAX85603-04 were used to amplify DNA encoding a human growth factor designated zapol. Zapol is an angiopoietin homologue. The polypeptide is used to stimulate cell growth and tissue development. The polypeptides form multimeric proteins. Zapol has angiogenic or activity. The proteins can be used in assays for angiogenic activity. The proteins can be used in assays for angiogenic activity. The proteins can be used in assays for angiogenic revascularization of tissue. Specific applications include treatment of full-thickness skin wounds, including venous stasis ulcers and other chronic, non-healing wounds, as well as fracture repair, skin grafting, reconstructive surgery, and establishment of vascular networks in transplanted cells and tissues. Zapol is also useful as a research agent, such as in the expansion of hematopoietic cells (including stem cells) and endothelial cells. The polypeptides are added to tissue culture media for these cell types
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to identifying an individual who has altered risk for developing coronary stenosis comprising detecting a single nucleotide polymorphism (SNP) in any one of the 67073 nucleotide sequences (not given in the specification), in the individual's nucleic acids, where the presence of the SNP is correlated with an altered risk for stenosis in the individual. Also included are an isolated nucleic acid molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying an individual who has altered risk for developing stenosis comprises detecting single nucleotide polymorphism (SNP), in the individual's nucleic acids.
                                                                                                                                                                                                                                                                                                                 Gaps
study and regulation of angiogenesis and for developing inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, 88; PCR; primer; Allele specific primer; coronary stenosis; angina; ischaemic chest pain; myocardial infarction; sudden cardiac death; SNP; single nucleotide polymorphism.
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0
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                                                                                                                                                                                                                                                                                  0.9%; Score 15.4; DB 1; Length 18;
94.1%; Pred. No. 1.4e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                       Sequence 18 BP; 1 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 19; SEQ ID NO 68096; 146pp; English.
                         Example 3; Page 55; 56pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Luke MM;
                                                                                                                                                                                                                                                                                                                                      284 GAAGAAAGAGGATGCCC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                   BP.
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                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                               18 GAAGAAAGAGGCTGCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                 ADR74784 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-668949/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADR74784;
                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 218
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/note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide nucleic acid, PNA, probe, hybridisation, mycobacteria, ribosomal nucleic acid, rRNA, drug-resistant strain, mutation, ss.
                                                                                                                                                                                                                                                                                                                                              ;
                                                                                                                                                                                                                                                                                                                    0.9%; Score 15.4; DB 1; Length 18; 88.9%; Pred. No. 1.4e+02; arive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                Sequence 18 BP; 4 A; 3 C; 5 G; 5 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                        CTTCTGCANGAATGGTGA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide nucleic acid probe 111.
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96DK-00001156.
97DK-00000512.
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                                                                                                                                                                                                                                                                                                                                                                  500 CTTCTGGATGAATGGTGA
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, incymes, zinzymes, and selected ribozymes. DNAzymes, compounds and appamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cymes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represente a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,
                                             Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 acid; RNA cleavage; hepatitis C virus; HCV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 1.3e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pavco PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            вв; enzymatic nucleic acid; RNA cleavage;
HCV infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HCV DNAzyme substrate sequence #3014.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Roberts E,
                                                                                                                                            Claim 1; Page 288; 387pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-DEC-2000; 2000US-00740332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-DEC-2000; 2000US-00740332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15 TCCACGCCATGTTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADI85768 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  766 TCCACGCCATGTTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J.
(ROBE/) ROBERTS E.
(PAVC/) PAVCO P A.
WPI; 2003-229207/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-031273/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003125270-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-JUL-2003.
                                                                                                 infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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(PAVC/)
(MACE/)
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ADI85768/c
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                      Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                                           This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribssomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, blopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus, HBV; RNA stability; RNA expression; RNA synthesis, antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
HBV reverse transcriptase; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocallular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 15; DB 1; Length 15; 100.0%; Pred. No. 83;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15 BP; 3 A; 2 C; 1 G; 9 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                Claim 22; Page 67; 106pp; English.
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08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-03370559P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 177 AAGGAAATTCAAAAT 191
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                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9% Best Local Similarity 100.0 Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first.entry)
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MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200281494-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-SEP-2003
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACD62818;
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(MACE/)
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15; Conservative
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Gettig RR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EIV primer EIVAIP7A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             recipient loci; ss.
                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-MAR-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W09215672-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-SEP-1992.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-JUN-1991;
06-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Riviere M,
Francis J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 25-MAR-2003
24-FEB-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mumps etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                        AAQ35721;
                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                  Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to a method for identifying a subject at risk of breast cancer. The method comprising detecting the presence or absence of one or more polymorphic variations associated with breast cancer in a nucleic acid sample from a subject. The nucleic acid sample comprises the DLG1 region (ADO79402), KIAA0783 region (ADO79403), DPF3 region (ADO79404) or CENPC1 region (ADO79405). The gene DLG1 (discs, large homolog I (Drosophila)) is also known as synapse-associated protein 97, hdlg or SAP97. DLG1 has been mapped to chromosomal position 3429. The gene KIAA0783 is also known as PHF14 and PHD finger protein 14. KIAA0783 has been mapped to chromosomal position 7p21.3. The KIAA0783 protein is a
                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying a subject at risk of breast cancer by detecting the presence of polymorphic variations in the DLG1, KIAA0783, DPF3 or CENPC1 regions which are associated with breast cancer in a nucleic acid sample from a
                                                     The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytostatic; Gene therapy; breast cancer; human; DLG1; KIAA0783; DPF3; CENPC1; SNP; single nuclectide polymorphism; PHF14; PHD finger protein 14; chromosome 7p21.3; zinc finger protein; transcription factor; extend; primer; ss.
                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kammerer SM, Reneland R;
                                                                                                                                                                                                            Ouery Match 0.9%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 0; Indels
 especially in combination with type I interferon therapy.
                                                                                                                                                                                     Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
                              Claim 1; SEQ ID NO 3014; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 4; Page 78; 227pp; English.
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                                                                                                                                                                                                                                                                                                                                                                       ADO79635 standard; DNA; 17 BP
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24-JUL-2003; 2003US-0490234P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-NOV-2003; 2003WO-US037943
                                                                                                                                                                                                                                                                       766 TCCACGCCATGTTCC 780
                                                                                                                                                                                                                                                                                      15 TCCACGCCATGTTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        KIAA0783 extend primer #27
                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SEQU-) SEQUENOM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-441037/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2004047514-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                            26-AUG-2004
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                                                                                                                                                                                                                                                                                                                                                                                                   ADO79635;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roth RB,
                                                                                                                                                               sequence.
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                                                                                                                                                                                                                                                                                                                                              RESULT 222
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novel gene with unknown function, however, being a zinc finger protein, it likely to be a transcription factor. The gene DFF3 [04, zinc and double PHD fingers. family 3) is also known as CERD4, cer-d4, FLJ14079 and 2810403803Rik. DFF3 is a Rho family guanine-nucleotide exchange factor. DFF3 has been mapped to chromosomal position 14624.3 -343.1. The gene CENPCI (centromere protein [1] is also known as Centromere autoantigen as position 4q12-distantigen CI. CENPCI has been mapped to chromosomal position 4q12-distantigen CI. CENPCI has been mapped to chromosomal position 4q12-distantigen CI. The CENPCI protein is required for maintaining proper kinetchore plate. The CENPCI protein is required for maintaining proper kinetchore size and a timely transition to anaphase. The method is useful for identifying a subject at risk of breast cancer, for early disponsis, prevention and treatment of breast cancer, to analyze and predict a response to a breast cancer treatment, and in clinical drug trials. The present sequence was used in an example from the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The sequences given in AAQ35720-23 were used to generate an expression cassette for the insertion of the equine influenza virus (EIV) hemagglutinin (HA) (A1/Prague/56) into NYVAC and ALVAC recombinant vectors. The HA gene sequence was isolated from an EIV cDNA library and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cox WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Expression cassette; equine influenza virus; EIV; hemagglutinin; HA; A1/Prague/56; NYVAC; ALVAC; recombinant vector; PCR; amplify; pCPCV1; polymerase chain reaction; pRW764.2; H6 promoter; canarypox virus; Copenhagen vaccine; vaccinia virus; virulence factors; deletion loci;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Pincus SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
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Limbach KJ, Johnson GP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 6 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 15; DB 1; Le
100.0%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Pred. .v.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 220; 456pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91US-00666056.
91US-00713967.
92US-00847951.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    92WO-US001906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                438 AGTGGCTCAGGCCTG 452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Perkus ME, Tr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGTGGCTCAGGCCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ35721 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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was amplified by polymerase chain reaction. The amplified sequence was inserted into the linearised plasmid pRW764.2. The resultant plasmid was designated pCPCV1 and contains the vaccinia virus H6 promoter followed by a polylinker region and flanked by canarypox virus homologous sequences. NYVAC is derived from a Copenhagen vaccine strain of vaccinia virus and ALVAC is derived from a canarypox virus which has been modified by deletion of non-essential regions of the genome encoding known or potential virulence factors. The deletion loci of both vectors were engineered as recipient loci for the insertion of foreign genes. See also AAQ35501-864. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA AAV93889 to AAV94574 represent specifically claimed ribozymes, and AAV93885 to AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes can be used for the treatment of, e.g. graft rejection, autoimmune disease, cancer, psoriasis, allergy and other inflammatory conditions. The ribozymes are also used to induce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ribozymes targetted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, IL-2 receptor g-chain, interleukin 2 receptor gamma chain,
hammerhead ribozyme, hairpin ribozyme, substrate, expression, cancer,
autoimmune disease, psoriasis, allergy, inflammatory disease;
                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                       0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                             2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          colerance in a recipient to alloantigen from a donor
                                                                                                                                                                                                                   Seguence 18 BP; 2 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse IL-2 receptor g-chain substrate position 51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 1 A; 8 C; 3 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                   222 CTCATAGAAAAACAAAC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 44; 61pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAV95047 standard; RNA; 18 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stinchcomb DT, Mcswiggen JA
                                                                                                                                                                                                                                                                                                                                                           18 CTAATAGAAAAACCAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-FEB-1999 (first entry)
                                                                                                                                                                                                                                                                         Local Similarity 88.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   graft rejection; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV95047;
                                                                                                                                                                                                                                                           Query Match
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Matches
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Sequences AAH17205 - AAH40944 represent PCR primers, single nucleotide polymorphisms SNPs. The present invention fates of single nucleotide polymorphisms SNPs. The present invention includes kits for determining the presence or absence of a SNP, using the includes kits for determining the presence or absence of a SNP, using the oligonucleotides of the invention. The PCR primers are used to amplify a configuration of the invention. The PCR primers are used to amplify a single-nucleotide primer extension reaction. The performing a single-nucleotide primer extension reaction. The oligonucleotides are useful for genotyping a nucleic acid sample by performing a single-nucleotide primer extension reaction. The coligonucleotides are useful for determining the presence, absence or identity of a SNP and for genotyping nucleic acid samples, for e.g. to assess by association analysis the genotypic crait suspected of being caused by one or more SNPs. Phenotypic trait suspected of being caused by one or more SNPs. Phenotypic trait is uspected of being caused by one or more SNPs. Phenotypic trait is uspected of being caused by one or more SNPs. Phenotypic trait is uspected of being categories is imperfected and acute intermitten porphyria. Phenotypic craits also include symptoms of or susceptibility to multifactorial disease of which a component is or may be genetic such as autoimmune caused missases including, rheumatoid arthritis, multiple solerosis.

Calesses of which a component is or may be genetic such as autoimmune conference inflammation, cancer, nervous system diseases and infection by pathogenic contrainty analysis. The present sequence represents a PCR primer specific
                                                                                                                                                                                                                                                                                                                                                   Single nucleotide polymorphism, SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer; lesch.Nyhan syndrome; muscular dystrophy; familial hypercholesterolaemia; polycystic kidney disease; osteogenesis imperfecta; autoimmune disease; acute intermittent porphyria; rheumatoid arthritis; multiple sclerosis; inflammation; forensic investigation; paternity analysis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic
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                                                                                                                                                                                                                                                                                                           SNP specific upper PCR primer SEQ ID 301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       paternity analysis. The present sequence
for a human SNP containing DNA sequence
1121 GCTGGAGCAGCTGAACGA 1138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 51; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ORCH-) ORCHID BIOSCIENCES INC.
                                                                                                                                                               BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-OCT-2000; 2000WO-US028436.
                           18 GCAGGAGCAGCTGAAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Picoult-Newburg L, Pohl M;
                                                                                                                                                             AAH37505 standard; DNA; 18
                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                           14-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acid sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-APR-2001.
                                                                                                                                                                                                            AAH37505;
                                                                                                                  RESULT 225
                                                                                                                                      AAH375(
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Gaps

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0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02; tive 0; Mismatches 2; Indels

16; Conservative

Matches

Best Local Similarity

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Gaps

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Query Match
0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 1.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels

Query Match

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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a pharmaceutical composition comprising a nucleic acid (1) protein tyrosine phosphatase PTP10D, non-receptor conclein tyrosine kinase Tec. egg derived tyrosine phosphatase (EDTP) gene (Edmily or encoded polypeptide, fragment or variant of nucleic acid molecule. Family or encoded polypeptide, an antibody, an aptamer or receptor recognising a nucleic acid molecule of PTP10D, Tec. or EDTP gene family or encoded composition can have antidiabetic, hypotensive, cardiant, antilipaemic, composition can have antidiabetic, hypotensive, cardiant, antilipaemic, correspondation can have antidiabetic, hypotensive, cardiant, antilipaemic, can be used in gene therapy. The composition is useful for the manufacture of an agent for detecting and/or verifying, for treating and can leviating and/or verifying is useful for the can leviating and/or preventing a disorder, including metabolic diseases such as obesity and other body weight regulation disorders, as well as crelated disorders such as eating disorder, cachexia, diabetes mellitus, hypertension, coronary heart disease, hypercholesterolaemia, osteoarthritis, gallstones, cancers (cancers of the reproductive organ), sleep apnea, and other diseases, in cells, cell creproductive organ), sleep apnea, and other diseases, in cells, cell casses, organs and/or subjects. The components of the composition may also be used in controlling the function of a gene and/or gene product which is influenced and/or modified by a PTP10D, Tec, or EDTP homologous productive organs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              compositions comprising tyrosine phosphatase PTP10D, protein tyrosine use Tec or egg-derived tyrosine phosphatase genes or proteins, useful treating or preventing metabolic diseases, e.g. as obesity or
                                                                                                                                                                                                                                                                                                                                                                       Tec; protein tyrosine kinase; protein tyrosine phosphatase; FTP10D; egg derived tyrosine phosphatase; BDTP; antidiabetic; hypotensive; cardiant; antilipaemic; osteopathic; cytostatic; anorectic; obesity; immunomodulator; gene therapy; metabolic disease; eating disorder; body weight regulation disorder; cachexia; diabetes mellitus; cancer; hypertension; ocronary heart disease; hypercholesterolaemia; gallstone; dyslipidaemia; osteoarthitis; sleep apnea; mouse; PTPRB; protein tyrosine phosphatase receptor type B precursor; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eulenberg K, Fritsch R, Haeder T, Broenner G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DEVE-) DEVELOGEN ENTWICKLUNGSBIOLOGISCHE FORSCH.
                                                                                                                                                                                                                                                                                                                                Mouse PTPRB reverse PCR primer SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 4; Page 52; 83pp; English.
                           1492 CCAAGTAACCAGGCCCCA 1509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2002; 2002WO-EP013744.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-DEC-2001; 2001EP-00128844.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2001EP-00129138.
2002EP-00000010.
                                                                       CCAGGTGACCAGGCCCCA
                                                                                                                                                                                        ACC79773 standard; DNA; 18
                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-DEC-2001;
02-JAN-2002;
                                                                                                                                                                                                                                                                                   02-SEP-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mus sp.
Synthetic.
                                                                                                                                                                                                                                         ACC79773;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cachexia.
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                                                                                                                                            RESULT 226
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Silicon-coated magnetic particles, useful for purification of nucleic acid from body samples, do not need to be separated before quantification
PTP10D, Tec or EDTP homologous polypeptide. The nucleic acid molecule of PTP10D, Tec, or EDTP family or their fragments, may be used in the preparation of a non-human animal which over- or under-expresses the PTP10D, Tec, or EDTP gene product. The present sequence represents a PCR primer for mouse protein tyrosine phosphatase receptor type B precursor (PTPRB), which is used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Silicon; silicon containing magnetic particle; superparamagnetic; silicon dioxide; nucleic acid isolation; probe; ss; HCV.
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                                                                                                                                                                                                              Sequence 18 BP; 3 A; 10 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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/note= "modified by TAMRA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 7; Page 23; 35pp; German.
                                                                                                                                                                                                                                                                                                                                                                                               764 CTTCCACGCCATGTTCCA 781
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis C virus RNA probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hennig G, Hildenbrand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        *tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (FARB ) BAYER AG.
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is lower than that required of antisense molecules, and is highly specific. The present sequence is used in the exemplification of the
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                                                                                                                            1589 AAGAACAGAATTGCTC 1604
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97US-0051718P.
97US-005182P.
97US-0061321P.
97US-0061324P.
                                                                                                                                                                                                                BP.
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                                                                                      93.8%;
                                                                                                                                                   16 AAGAACAGAATTTCTC 1
                                                                                                                                                                                                                AAV93469 standard; RNA; 17
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                                                                                                                                                                                                                                                                18-FEB-1999 (first entry)
                                                                     Query Match
Best Local Similarity 93.8'
Matches 15; Conservative
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                         present invention
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                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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02-OCT-1997;
05-NOV-1997;
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                                                                                                                                                                                                                                         AAV93469;
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                                                                                                                                                                                          RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a novel enzymatic nucleic acid (ENA) having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues ; (ii) a 2-C-allyl modification at position 4 of the ENA; (iii) at least ten 2'-O-methyl modification; and (iv) a 3'-end modification. The ENA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the treatment or prevention of arthritis, oparticularly opteoarthritis or rhematoid arthritis. The ENA's can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for chancing graft tolerance or for treating autoimmune disease, and for treating allergies and other inflammatory conditions. The ENA's can also be used in diagnosis. Ribozyme therapy impacts on the expression of stromelysin whichout introducing the non-specific effects upon gene expression which accompany treatment with retinoids and dexamethasone. The concentration of ribozyme required to affect a therapeutic treatment
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                                                                                                                                                                                                                          Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; haltpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bnzymatic nucleic acid molecules having a hammer-head motif - used for
the treatment of arthritis, induction of graft tolerance or treatment of
                Gaps
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Burgin A;
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                Indels
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                                                                                                                                                                                                    Rabbit stromelysin hammerhead target SEQ ID NO:536.
93.3%; Pred. No. 1.8e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 154; 307pp; English.
                                      1509 AGCCTCCAGGCCCCC 1523
                                                                                                                           AAX63904 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                   94US-00354920.
94US-00363253.
95US-00390825.
95US-00426124.
95US-00432874.
95US-000951P.
95US-000951P.
95US-000951P.
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                                                   (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                            (first entry)
              14; Conservative
                                                                                                                                                                                                                                                                                                     Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                auto-immune diseases.
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   Best Local Similarity
                                                                                                                                                                                                                                                                              diagnosis; ss.
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Mcswiggen J,
Karpeisky A,
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                                                                                                    RESULT 228
                Matches
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target; substrate; catalyst; modulation; expression; Raf gene; delivery;
screening; identification; synthesis; deprotection; purification; cancer;
inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endonuclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases
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                                                                                                                                                                               Gape
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Burgin A;
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                                                                                   Length 17;
                                                                                                                                                                          1, Indels
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Sequence 17 BP; 4 A; 2 C; 3 G; 0 T; 8 U; 0 Other;
                                                                              Score 14.4; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 1;
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caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACS with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity. AAV930922 to AAV9387 represent NACS that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
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                                                                                                                                                                                                                       0.9%; Score 14.4; DB 1; Length 17; 75.0%; Pred. No. 1.6e+02; tive 3; Mismatches 1; Indels
                                                                                                                                                                                       Sequence 17 BP; 4 A; 8 C; 1 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human NOGO Hammerhead Ribozyme #171.
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                        841
                                                                                                                                                                                                                                                                                                                                                                                                                                  ABK00171 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-MAR-2002 (first entry)
                                                                                                                                                                                                                     Query Match
Best Local Similarity 75.0%
Watches 12; Conservative
                                                                                                                                                                                                                                                                                                      826 TCCACTTCCACAGCCC
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MCSWIGGEN J.
CHOWRIRA B M.
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(MCSW/) N
(CHOW/) C
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGOD). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids an INCH motif), a G-cleaver (Cleaving RNA with a NCH motif), a G-cleaver (Cleaving RNA with a NCH motif) proposessing an NCH motif), a G-cleaver (Cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleaver RNA of CD20 in the presence of a divalent cation that is preferably Mg^2/+.

CC corporation of the presence of a divalent cation that is preferably Mg^2/+.

CC Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more corposes. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, lower and the contacted with a cell invalphoma, luwer and inflammatory arthropathy. The NOGO-cargetting nucleic acid is used to cleave RNA of the NOGO activity of the presence of a divalent cation that is preferably Mg^2/+. Furthermore, the contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO activity of the contact a patient having a condition associated with the level of therapies. In particular, the NOGO-cragetting nucleic acid may be contacted with a cell to reduce NOGO. The treatment may further comprise the use of one or more content a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one or more content and patient having a condition associated with the level of Parkinson's disease, acaxia, Huntingfor's disease, cleaned and content of disease disease, ataxia, Huntingfor's disease, custoular disease, ataxia, Huntingfor's create which respond to the modulation of NOGO expression. The presen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
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21-SEP-2000; 2000US-023466PP.
27-SEP-2000; 2000US-023559P.
04-0CT-2000; 2000GB-00024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
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Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                          The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 capture probes for surface-enhanced laser desorption ionisation and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The collected with the expression of hGDMLP-1, in particular heart of surface-enhanced have used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart of surface-enhanced in the exemplification of the present invention. N.B. The sequence and set-ental and the particular heart of hGDMLP-1 sequence represents an oligomer used in the screening of the printed that for this patent did not form part of the printed formed that for this patent did not form part of the printed formed that for this patent did not form part of the printed formed that for this patent did not form part of the printed formed that the capture that the formed that formed the formed that for the patent did not form part of the printed formed that for this patent did not form part of the printed formed the formed that for the patent did not form and the formed that for the present sequence and the formed that for the present invention.
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                                                                                                                                                                                                                                         New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                                       Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8667.
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                                                                                                                                                                       Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                       Rank DR,
                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 8352; 214pp; English.
                                                                                                                                                                       Hanzel DK,
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                                             30-JAN-2001; 2001WO-US000668.
30-JAN-2201; 2001WO-US000669.
30-JAN-2001; 2001WO-US00670.
65-FEB-2001; 2001US-0266860P.
                2001WO-US000666.
2001WO-US000667.
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                                                                                                                                                                                                        WPI; 2002-179446/23.
                                                                                                                                     (AEOM-) AEOMICA INC.
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                30-JAN-2001;
30-JAN-2001;
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify chGDMLP-1 nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for capressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The disorder associated with the expression of hGDMLP-1, in particular heart of alsorder associated with the expression of hGDMLP-1, in particular heart can askeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The sequence represents an oligomer used in the ascening of the present invention. N.B. The sequence this patent did not form part disorder in the exemplification of the present invention.
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30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
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2000US-0236359P.
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2001WO-US000663.
25-MAY-2001; 2001WO-US016981
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30-JAN-2001; 2
30-JAN-2001; 2
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27-SEP-2000;
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ABN08361/c
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The present invention describes a human genome-derived myosin-like protein 1 (hgDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 call scids can be used as probes to detect, characterise and quantify concleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be concentration and/or amount specifically of hGDMLP-1 proteins, as specifically recognise hGDMLP and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption indisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines of the replacement therapy. The cand sequence senceding hGDMLP-1 mortioned for desorption in patients with the expression of hGDMLP-1, in particular heart disorder associated with the expression of hGDMLP-1, in particular heart cand skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. hGDMLP-1 sequence data for this patent did not form part of the printed of the 
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                                              Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
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Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8353.
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
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05-FEB-2001; 2001US-0266860P
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04-OCT-2000;
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The present invention describes a human genome-derived myosin-like CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 can be used as probes to detect, characterise and quantify nucleic acids can be used as probes to detect, characterise and quantify provide initial substrates for the recombinant engineering of hGDMLP-1 convoled initial substrates for the recombinant engineering of hGDMLP-1 convoled initial substrates for the recombinant engineering of hGDMLP-1 convoled initial substrates for the recombinant engineering of hGDMLP-1 convoled in the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as capture probes for surface-enhanced laser desorption ionisation, as the respective supplement in patients having specific deficiency in hGDMLP-1 conformation, and in vaccines or for replacement therapy. The production sequences encoding hGDMLP-1 may be used for diagnosing a conformation and sequence encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart conformation and sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser descrption ionization, comprises human myosin-like protein hGDMLP-1. Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss. Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10038. Shannon ME; Chen W, Rank DR, Disclosure; SEQ ID NO 10038; 214pp; English. Hanzel DK, 2001WO-US000668. 2001WO-US000669. 2001WO-US000670. 2001US-0266860P. BP 2000US-0234687P 2001WO-US000663. 2001WO-US000664. 2001WO-US000666. 25-MAY-2001; 2001WO-US016981 2000GB-00024263 2001WO-US000661 2001WO-US000665 2001WO-US000662 ABN10046 standard; DNA; 17 (first entry) Gu Y, Ji Y, Penn SG, WPI; 2002-179446/23. (AEOM-) AEOMICA INC. WO200192524-A2. 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; Homo sapiens 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 05-FEB-2001; 26-MAY-2000; 21-SEP-2000; 27-SEP-2000; 30-JAN-2001; 10-JAN-2001; 29-MAY-2002 06-DEC-2001 ABN10046; RESULT 234 

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Query Match

0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels

Sequence 17 BP; 5 A; 3 C; 8 G; 1 T; 0 U; 0 Other;

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 specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                 Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                            Gaps
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                                Sequence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other;
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1;
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                  and/or amount specifically of MCDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as theraspeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO at ftp.wipo.int/pub/published_pct_sequence
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proteins, as standards in assays used to determine the concentration
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1;
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2001WO-US000661.
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Claim 23; SEQ ID NO 7607; 495pp; English
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                                The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in samples, as amplification substrates, to nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to complete initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired hencypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser describic biomolecule capture probes for surface-enhanced laser describic officiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a disorder associated with the exemplification of the present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fig. at ftp.wipo.int/pub/published_pct_sequence
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Disclosure; SEQ ID NO 10037; 214pp; English.
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for the West Nile Virus (WNV). The nucleic acid moleculate ireplication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted absaic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
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The invention relates to nucleic acid molecules that modulate replication
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Matches 12; Conservative
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(MCSW/) MCSWIGGEN J A.
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liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNazyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least ten 2'-O-meethyl modifications, phosphorethicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
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                                                                                                                                                                                  0.9%; Score 14.4; DB 1; Length 17; 68.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                              1; Indels
                                                                                                                                                        Sequence 17 BP; 2 A; 9 C; 2 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                            4; Mismatches
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                                                                                                                                                                                              Best Local Similarity 68.8
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mcswiggen JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    West Nile Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200268637-A2.
                                                                                                                                                                                                                                                                                                                                                                                            22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                   ACN07053;
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                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                  Gaps
are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not giv
in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; menis minimum enception; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                             Length 17;
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                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                   Sequence 17 BP; 4 A; 2 C; 9 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                 0.9%; Score 14.4; DB 1; 3.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 3 A; 5 C; 7 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 23; SEQ ID NO 7196; 495pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WNV Amberzyme substrate SEQ ID NO 7196.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-OCT-2001; 2001WO-US048350.
                                                                                                                                                                                                                                93.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-APR-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                          17 CTCGACACCTCCTCT
                                  in the specification. The molecule of the invention
                                                                                                                                                                                                                                                                  15; Conservative
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(MCSW/) MCSWIGGEN J A.
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                                                                                                                                                                                                                                   Local Similarity
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                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                  Matches
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ACN07193/
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(first entry)

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wnv; west Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; Cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                          WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 7606
                                        ACN07603 standard; RNA; 17 BP.
                                                                                                                                                                                                                                                                                                                              19-OCT-2001; 2001WO-US048350.
                                                                                                                                                                                                                                                                                                                                                        20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                     (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                                                                                                                                                   (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-706994/76.
                                                                                                                                                                                                                                           West Nile Virus
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                                                                                                22-APR-2004
                                                                                                                                                                                                                                                                                                  06-SEP-2002.
                                                                      ACN07603;
                RESULT 242
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of the West Nile virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to nucleic acid molecules that modulate replication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                Gaps
                                                                                                                                                                                                                                                        WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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13.8%; Pred. No. 1.6e+02;
ve 0; Mismatches 1; Indels
              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 4 A; 1 C; 10 G; 0 T; 2 U; 0 Other;
  Pred. No. 1.6e+02; 
; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 23; SEQ ID NO 4503; 495pp; English
                                                                                                                                                                                                                               WNV Zinzyme substrate SEQ ID NO 4503.
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0
                                            1234 CGGACGTTCCTTCCGG 1249
                                                                                                                                               BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                 19-OCT-2001; 2001WO-US048350.
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93.8%;
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                             ACN04500 standard; RNA; 17
                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15; Conservative
                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                    Amberzyme; Zinzyme; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
  Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                               West Nile Virus.
                                                                                                                                                                                                                                                                                                                                                                          WO200268637-A2
                                                                                                                                                                                                    22-APR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Blatt L,
                                                                                                                                                                        ACN04500;
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Matches
                                                                                                                 RESULT 241
                                                                                                                                 ACN04500,
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, correspingly, myocarditis, meningitis, neurologic infection, hepatitis, correspingly, myocarditis, meningitis, neurologic infection, hepatitis, consecule is selected from the group of ribozymes consisting of molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-Gleaver, DNAzyme, Amberzyme and Zinzyme. The concleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 14-2206 and 17502-17514 are not given the specification. The present sequence is that of a nucleic acid molecule of the invention
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New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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llarity 75.0%; Pred. No. 1.6e+02;
Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 6 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                 Claim 23; SEQ ID NO 7606; 495pp; English.
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CGGACGUUCCAUCCGG 17
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ABT38885 standard; DNA; 17
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les 12; Conserv
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ID ABT38
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AC ABT38
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1104 CTCAACACCTCCTCT 1119

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CTCGACACCTCCTCCT

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Human MDZ3 scanning oligonucleotide SEQ ID 1452.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a novel isolated 17 mer nucleic acid sequence, a given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that conditions, or the complement of alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of and of the invention are useful as probes and primers for detecting, acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acids, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, concentration of recombinant polypeptides. Any of the nucleic acids, concentration of pharmaceuticals for prevention and/or treatment of viral concentration, and paracterised by development of tumours or cell degeneration. Analysis of the expression of the 17 mer nucleic acids in sething the polypeptides and antibodies and/or prognosis of these contained samples is useful for diagnosis and/or prognosis of these contained samples is useful for diagnosis and/or prognosis of these contained between the polypeptides and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene charged human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                        Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schlaophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                            New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                              Tumour suppression related human fukutin oligo SEQ ID No 4522.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 562; 720pp; French.
                                                                                                                                                                                                                                                                                                                      Tuijnder M;
                                                                                                                                                                                                                                                                                        (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                             17-SEP-2002; 2002WO-IB004208.
                                                                                                                                                                                                                                                          17-SEP-2001; 2001FR-00011978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       326 AAAGCTGAAGGAGCTC 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 AAAGCTGAAGGAGATC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB00466 standard; DNA; 17
12-JUN-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15; Conservative
                                                                                                                                                                                                                                                                                                                      Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                 WO2003025175-A2.
                                                                                                                                      sapiens.
                                                                                                                                                                                               27-MAR-2003
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ADB00466/C
ID ADB004
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AC ADB004
AC ADB004
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DT 20-NOV
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is encoded at chromosome 7042.1, MD24 is encoded at chromosome 16p11.2 and MD212 is encoded at chromosome 15q26.1. The MD23, MD24, MD27, and MD212 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids and also be used as probes to detect and characterize gross are lacenting microarrays for measuring gene expression. The probes are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as proteins. The present sequence was used to illustrate the invention.
Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MD23; MD24; MD212; chromosome 7g22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15g26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 6 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.4; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human MDZ3 scanning oligonucleotide SEQ ID 1450.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 8; SEQ ID NO 1452; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         928 GCTGCCTGCGGATGAA 943
                                                                                                                                                                                                                                                                                                                                    30-JUL-2002; 2002EP-00016874.
                                                                                                                                                                                                                                                                                                                                                                                                02-AUG-2001; 2001US-00922181.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shannon M, Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-423107/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AEOM-) AEOMICA INC.
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Matches 15; Conserr
                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                 EP1281758-A2
                                                                                                                                                                                                                                                                               05-FEB-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB00464;
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(RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L.
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                                                Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD59853;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACD59853
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                                                                                                                                                                                                                                                                         The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is concoded at chromosome 7q22.1, MDZ4 is encoded at chromosome 6p21.3-22.2, MDZ4 is encoded at chromosome 6p21.3-22.2, MDZ7, and MDZ12 is encoded at chromosome 15q56.1. The MDZ3, MDZ4, MDZ7, and MDZ12 is encoded at chromosome con in manufacturing a medicament for treating or preventing a disorder con in manufacturing a medicament for treating or preventing a disorder con in manufacturing a medicament for treating or preventing a disorder con in manufacturing a medicament for treating or preventing a disease acids and proteins are also useful for diagnosing or monitoring a disease consider and proteins are also useful for diagnosing or monitoring a disease acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as the present sequence was used to illustrate the invention.
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                                                                                                                                                                                       New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 3 A; 6 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                         Example 8; SEQ ID NO 1450; 103pp; English.
                                                                                                                                                                                                                                   MD24, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human H-Ras DNAzyme target #270.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  929 CTGCCTGCGGATGAAG 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABZ61479 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAY-2001; 2001US-0294140P.
06-JUN-2001; 2001US-0296249P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-MAY-2002; 2002WO-US016840
                                                                 30-JUL-2002; 2002EP-00016874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity 93.8%;
nes 15; Conservative
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                                                                                           02-AUG-2001; 2001US-00922181
                                                                                                                                             Shannon M, Gu Y, Nguyen C;
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                                                                                                                                                                    WPI; 2003-423107/40.
                                                                                                                    (AEOM-) AEOMICA INC
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                  EP1281758-A2
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                                            05-FEB-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Matches
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HBR2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-HER2, K-Ras, H-Ras, and HIV acid molecules are useful for reducing HBR2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, shown in ABZ59889 - ABZ62216, ABZ64944 - ABZ65531, ABZ65520 - ABZ65524, ABZ65530 - ABZ65558 represent substrate/target sequences for the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead riboxyme; DNAzyme; inozyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptemer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatcocallular carcinoma; hepatcitopic; cytostatic; virucide; antiinflammatory; substrate; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                  Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
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13.8%; Pred. No. 1.6e+02;
ve 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HCV DNAzyme substrate sequence #1543.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 58; Page 116; 185pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1507 CCAGCCTCCAGGCCCC 1522
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08-UUN-2001, 2001US-00877478.
08-UUN-2001, 2001US-0296876P.
24-CCT-2001, 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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10-SEP-2001; 2001US-0318471P.
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                                                                             (RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                            WPI; 2003-140484/13.
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                                                                                                                                                                                                                                      The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, inczymes, zinzymes, and G-cleaver ribozymes. DNAzymes, compounds, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cyles and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV invention.
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                                                                                                                                                             Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative, disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                   Lee P;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 75.0%; Pred. No. 1.6e+02; nes 12; Conservative 3; Mismatches 1; Indels
                                                                                                   Pavco P,
                                                                                                   Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HBV zinzyme substrate sequence #90.
                                                                                                                                                                                                                 Claim 1; Page 261; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  768 CACGCCATGTTCCAGC 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CACGCCAUGUUCCGGC 16
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                                                                                                 Macejak D,
Roberts B;
           MCSWIGGEN J. MORRISSEY D.
                                                                                                                                       WPI; 2003-229207/22.
                                              LEE P.
DRAPER K.
ROBERTS E.
MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis B virus.
                                     PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200281494-A1
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                                                                                                 Blatt L, I
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention
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Best Local S
                                                           (DRAP/)
(ROBE/)
MACE/)
                                  PAVC/)
                                                 LEEP/)
                       MORR/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymes, zinzymes, amberzymes, and crossymes. DNAzymes. DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, cranscriptase and/or HBV reverse transcriptase primer sequences, as well as oligonuclectides that specifically bind the Enhancer I region of HBV CC as oligonuclectides that specifically bind the Enhancer I region of HBV CC DNA. The nucleic acids may be used to modulate the expression of HBV CC compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds CC that modulate the expression and/or replication of HCV. The compounds CC methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene cypression such as cirrhosis, liver failure, and hepatocellular caribozyme, d-cleaver, zinzyme, DNAzyme or amberzyme sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lee P;
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Pred. No. 1.6e+02;
0; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pavco P,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 175; 387pp; English
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0
26-MAR-2002; 2002WO-US009187.
                                                                            2001US-00877478
2001US-0296876P.
2001US-0335059P.
                                                                                                                                    24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                     2001US-00817879
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                                                                                                                                                                                                                    RIBOZYME PHARM INC.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Macejak D,
Roberts E;
                                                                                                                                                                                                                                       BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-229207/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                            LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                  ROBERTS E
                                                                                                                                                                                                                                                                                                                                                      PAVCO P.
                                                                                                        08-JUN-2001;
                                                                                  08-JUN-2001;
                                                     26-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-DEC-2003
04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Blatt L, M
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16
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                                                                                                                                                                                                                                                                                                                                                (PAVC/)
(LEEP/)
(DRAP/)
(ROBE/)
                                                                                                                                                                                                                                             (BLAT/)
(MACE/)
(MCSW/)
                                                                                                                                                                                                                    (RIBO-)
                                                                                                                                                                                                                                                                                                                            MORR/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB43621
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Homo sapiens
Homo sapiens.
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                                              25-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABX95832;
                                                                                                                                               Shang J,
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                   disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 251
                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABX95832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    원
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                     fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the the nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as reperimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies (for viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can halve used to screen for their specific interactive molecules, containing the used to screen for their specific interactive molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
 virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                              New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression vector; anorectic; antiarteriosclerotic; cardiant; antidiabetic; elevated cholesterol; elevated lipid; adipogenesis; observy; athersclerosis; diabetes mellitus; coronary artery heart disease; cholesterol homeostasis; ss; differntial expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cholesterol homeostasis/adipogenesis related DNA seq id 366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 17 BP; 7 A; 2 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                      Disclosure; Page 493; 771pp; French
                                                                                                                                                                                       Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE30979 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               154 ATCAGGGAAGTAAGTA 169
                                                                                                                                                               (MOLE-) MOLECULAR ENGINES LAB
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                                                                                                                                       17-SEP-2001; 2001FR-00011981.
                                                                                                               17-SEP-2002; 2002WO-IB004219.
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Best Local Similarity 93.8%;
Matches 15; Conservative
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                                                                                                                                                                                       Amson R,
                                                                                                                                                                                                             WPI; 2003-441574/41.
                                                                WO2003040369-A2.
                                          Homo sapiens
                                                                                                                                                                                         Telerman A,
                                                                                         15-MAY-2003
                  diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE30979;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes a composition comprising at least one expression vector comprising a polynucleotide of the invention. The composition has anorectic, antiarteriosclerotic, cardiant and antidiabetic properties. The invention is used to detect and treat conditions associated with elevated cholesterol and lipid or during adipogenesis, particularly obseity, athersclerosis, diabetes mellitus or coronary artery heart disease. This sequence represents a polynucleotide differentially expressed during cholesterol homeostasis and adipogenesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human Phe311Leu mutant Abl kinase, allele specific PCR primer F311T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
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N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 9 C; 1 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (NOVS ) NOVARTIS AG.
(UYBO-) UNIV BORDEAUX 2 SEGALEN VICTOR.
(UYMU-) UNIV TECH MUENCHEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 8; SEQ ID NO 366; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    990 ACCAACAACCCCTCCC 1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABX95832 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-OCT-2001; 2001US-0327389P.
12-OCT-2001; 2001US-0328740P.
11-JAN-2002; 2002US-034735IP.
                                                                                                                                                                                                                                                                   LYNX-) LYNX THERAPEUTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 ATCAACAACCCCTCCC 17
                                                                                                                               08-JAN-2003; 2003US-00339793
                                                                                                                                                                                               09-JAN-2002; 2002US-0347286P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93.8%;
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nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-830986/77.
                                                                                                                                                                                                                                                                                                                                      Bowen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2003031608-A2.
US2003180764-A1
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(UYOR-)

(MEDV-)

CHRU-)

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The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase activity by N (4-methyl-3-14-pyrimin-3-yl-phanino) -phenyl)-4-(4-methyl-1piperazin-1--ylmethyl)-benzamide, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine kinase activity of such polypeptides. Polymucleotide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the mutant polypeptides are also useful in the diagnosis of leukaemias. The present sequence represents a PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA storage, DNA analysis; virus identification; bacteria identification; reverse transcriptase; RT-PCR; primer; 88; HP6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New device comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid matrix, and an isolation layer, useful for storing and analyzing a nucleic acid containing moiety.
                                                                                                                                                  New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a device for storage and analysis of a nucleic acid containing a moiety in a biological sample, comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid
                  Branford S, Corbin A, Druker BJ, Duyster J, Hochhaus A;
Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seguence 17 BP; 2 A; 10 C; 5 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    used in the examples of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; SEQ ID NO 4; 14pp; English.
                                                                                                                                                                                                                                          Example 6; Page 34; 57pp; English.
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                                                                                                                                                                                                   for diagnosing leukemias.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sest Local Similarity 93.8
Matches 15; Conservative
                                                                                                           WPI; 2003-363366/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-843261/78.
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                                                              Peschel C,
                      Barthe C,
Hughes T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase activity by N. (4-methyl-3- (4-pyridin-3-yl-pyrimidin-2-ylamino) -phenyl)-4- (4-methyl-piperazin-1-ylmethyl)-benzamide, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine activity of such polypeptides. Polymoleocitide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides. The mutant polypeptides are also useful in the diagnosis of leakemias The present sequence represents a PCR primer
                                                                                                                                                                                                                                 New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and for diagnosing leukemias.
                                                                                                           Hochhaus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; ss.
                                                                                                     Barthe C, Branford S, Corbin A, Druker BJ, Duyster J, Hoc.
Hughes T, Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Peschel C, Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14.4; DB 1; Length 17; ilarity 93.8%; Pred. No. 1.6e+02; Conservative 0; Mismatches 1: Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              in the examples of the present invention
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.) UNIV BORDEAUX 2 SEGALEN VICTOR.
.) UNIV TECH MUENCHEN.
.) UNIV OREGON HEALTH SCI.
.) UNIV HEIDELBERG.
.) CHRU LILLE.
.) MEDVET SCI PTY LTD.
                                                                                                                                                                                                                                                                                                                                 Example 6; Page 34; 57pp; English.
UNIV OREGON HEALTH SCI.
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12-OCT-2001; 2001US-0328740P.
11-JAN-2002; 2002US-0347351P.
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                                                                MEDVET SCI PTY LTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                              WPI; 2003-363366/34.
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hes 15; Conserv
                                           CHRU LILLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003031608-A2
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Query Match

Best Loca Matches

ઠે 셤 RESULT 252 ABX95833 (UYBO-) 1

(UYMU-) (UYOR-) (UYHE-)

(CHRU-)

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matrix, and an isolation layer comprising a dry solid medium comprising a neutral solid matrix attached to a composition comprising a detergent. Storing and analyshing a nucleic acid containing a moiety in a biological sample comprises applying a biological sample to the filter layer. filtering the components of the biological sample through the filter layer to the isolation layer, retaining the mucleic acid components in the isolation layer while removing the nucleic acid components in drying the isolation layer, providing a primer and analysing the nucleic acid components using at least one primer. The device and method are useful for storing and analyshing a nucleic acid containing a moiety in a biological sample. They are also useful for identifying known or unknown virions or bacteria contained in a fluid. This sequence represents a reverse transcriptase PCR (RT-PCR) primer used in the scope of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; hepatitis B virus infection; hepatitis; hepatocallular carcinoma; cirrhosis; liver failule; lamivudine; interferon; genetic drift; virucide; hepatotroplic; antiinflammatory; cytostatic.
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                                                                                                                                                                                                                                                                                                0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                Sequence 17 BP; 3 A; 10 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis B virus (HBV) RNA target sequence #1745.
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                                                                                                                                                                                                                                                                                                                                                                         1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM59611 standard; RNA; 17 BP
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09-AUG-2000; 2000US-00636385
24-OCT-2000; 2000US-00695347
08-JUN-2001; 2001US-00877478
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Best Local Similarity 93.8
Matches 15, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-247781/23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DRAP/) DRAPER K.
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                                                                                                                                                                                                                                    invention.
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The invention relates to an enzymatic nucleic acid molecule that

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comportang one or more binding arms, without requiring the presence of a 2'-OH group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, hepatocellular carcinoma, cirrhosis and liver failure, either alone or in combination with other therapies such as lamivudine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at sequence.btml.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
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                                                                                                                                                                                                                                                                                                                            Gaps
specifically cleaves RNA derived from hepatitis B virus (HBV) and
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Best Local Similarity 93.8%;
Matches 15; Conservative
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ROBERTS E.
PAVCO P A.
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Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                               Human GDMLP-1 probe SEQ ID NO:8665
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US0006670.
65-FBB-2001; 2001US-0266660P.
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2000GB-00024263.
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
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                                     02-DEC-2004 (first entry)
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HANZEL D F
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CHEN W.
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                                                                                                                                            Homo sapiens
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30-JAN-2001;
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             ACN71763;
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(PENN/)
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(CHEN/)
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                                                    Gaps
                                                                                                                                                                                                                                                                        88; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                        Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 75.0%; Pred. No. 1.6e+02; Matches 12; Conservative 3; Mismatches 1; Indels
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Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
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                                                                                                                                                                                                                                                HCV DNAzyme substrate sequence #3013
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
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(ROBE/) F
(PAVC/) F
(MACE/) N
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AD185767/C
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AC AD1857
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KW 88; en
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                                                                                                                                  Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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Shannon ME;
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Chen W,
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à
                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 8665; Opp; English.
Rank
DK,
   Hanzel
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Best Local Similarity 93.8
Matches 15; Conservative
Penn SG,
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ACN71763 ID ACN71763 standard; DNA; 17 BP.

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Gaps

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Length 17; Indels

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Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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                                                                                                                                                                                                                                                                       Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chen W,
                      Sequence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other
                                              0.9%; Score 14.4; DB 1; 3.8%; Pred. No. 1.6e+02;
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                                                                        0; Mismatches
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                                                                                                                                                                                                                                                        Human GDMLP-1 probe SEQ ID NO:10037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hanzel DK,
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2001WO-US000666.
2001WO-US000667.
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                                                                                                715 CCCGCATCGTCCGCAG 730
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2001WO-US000663.
2001WO-US000664.
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2001WO-US000669.
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2001US-0266860P.
2001US-00866108.
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2000US-0236359P.
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2001WO-US000661
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                                                           Local Similarity 93.8%;
es 15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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05-FEB-2001;
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21-SEP-2000;
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04-OCT-2000;
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                                                  Query Match
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(PENN/)
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(RANK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CONY)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gu Y,
                                                                Best Loca
Matches
                                                                                                                                                             RESULT 259
                                                                                                                                                                        ACN73135,
                                                                                                                                                                                               SXS
                                                                                                    ਨੇ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions, and 55% identity to (SI). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                                                                              Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 10038; Opp; English.
                                                                                                                                                                Human GDMLP-1 probe SEQ ID NO:10038.
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                                                                                                                                                                                                                                                                                                                                                                                                        2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
2001WO-US000666.
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2001WO-US000670.
2001US-0266860P.
2001US-00866108.
                                                                                         ACN73136 standard; DNA; 17 BP
        273 GAAGCCAAGAAGA 288
                                                                                                                                                                                                                                                                                                                                               2000US-0234687P.
2000US-0236359P.
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2001WO-US000662.
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                          GAAGCCAAGAAGGAGA 17
                                                                                                                                                                                                                                                                                                            26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                                                                                        2000GB-00024263
                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-533378/51.
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                                                                                                                                                                                                                                                              US2004137589-A1.
                                                                                                                                                                                                                                                                                                                                                                                                         30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
30-JAN-2001; 2
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05-FEB-2001; 2
25-MAY-2001; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GU Y.
                                                                                                                                                                                                                                                                                                                                     26-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2001;
                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                            27-SEP-2000;
                                                                                                                                          02-DEC-2004
                                                                                                                                                                                                                                                                                     15-JUL-2004.
                                                                                                                 ACN73136;
                               N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GUYY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PENN/)
(HANZ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SHAN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (RANK/)
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Shannon ME,

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1109 CACCTCCTCCTTGCTG 1124
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2000US-0236359P
2000US-0024263.
2001WO-US000661
2001WO-US000663.
2001WO-US000663.
2001WO-US000665.
2001WO-US000666.
2001WO-US000666.
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2001WO-US000670.
2001US-0266860P.
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                                                                                                                                                                                                                                                                    N
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                                                                                                                                                                                                                                                                                                                                                                02-DEC-2004 (first entry)
                                                                                                                                                                                                                                                           17 CAGCTCCTCCTTGCTG
                                                                                                                                                                                                                              15; Conservative
                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GU Y.
JI Y.
PENN S G.
HANZEL D K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2004137589-A1.
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27-SEP-2000;
04-OCT-2000;
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
05-FEB-2001;
25-MAY-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-2004.
                       function.
                                                                                                                                                                                                                                                                                                                                            ACN71451;
                                                                                                                                                                                                          Query Match
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(PENN/)
(HANZ/)
(RANK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GUYY/)
                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                    RESULT 26:
ACN71451/
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defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identify to (S1). A polypeptide of the invention acts as a agonist or antagonist of hoDMLP-1, or as an inhibitor of hoDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1; such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder
                                                                                                                                                                                                                                                                                                                 Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shannon ME
                                                                                                                                               ..
                                                                                                                       Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chen W,
                                                                                                      Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rank D,
                                                                                                                                                                                                                                                                                                    Human GDMLP-1 probe SEQ ID NO:8352.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-OCT-2000; 2000GB-00024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
20-JAN-2001; 2001WO-US000670.
                                                                                                                                                                 715 CCCCCATCGTCCGCAG 730
                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                                                                           26-NOV-2003; 2003US-00723361
                                                                                                                                                                            17 CCCGCATCGTCCACAG 2
                                                                                                                                                                                                                                     ACN71450 standard; DNA; 17
                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JI Y.
PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-533378/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                    US2004137589-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                26-MAY-2000;
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27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GUYY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (PENN/)
                                                                                                                                                                                                                   RESULT 260
                                                                                                                                                                                                                               ACN71450/c
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presence and the decreased expression or activity of human genome-derived myosin-lake protein-lauch act deaded or dearesed expression or activity of function.

Mostline in the specification and dearesed or dearest and/or skeletal muscle function.

The invention relates to a novel polyapstide (I) comprising a sequence of still of myosin-lake protein. (Mombre-lativity of defined in the specification, a fragment of at least 8 annho acids fully defined in the specification. (Mombre-lativity of myosin-lake protein.) (Mombre-lativity of myosin-lake protein.) (Mombre-lativity).

C defined in the specification, a fragment of at least 8 annho acids of Still of Mombre-lativity.)

C defined in the specification, a fragment of at least 8 annho acids of Danamacout.cal companion of the invention is useful for treating or proventing and disorder associated with decreased expression or acitivity of myosin-monh are disorder associated with decreased expression or acitivity of myosin-monh are disorder associated with decreased expression or acitivity of myosin-monh are disorder associated with decreased expression or acitivity of myosin-lativity of myos
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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                                                                                                                 Su Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Evans GA, Smith MW;
                                                                                                                                    WPI; 2004-533378/51.
                                                                                             SHAN/) SHANNON M E.
                               GU Y.
JI Y.
PENN S G.
HANZEL D F
                                                                       RANK D.
CHEN W.
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07-SEP-1993;
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24-AUG-1995
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                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                         function.
                                                              (HANZ/)
(RANK/)
                                          (JIYY/)
                                GUYY/)
                                                                                    CHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 263
                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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                                                                                                                                               The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of preventing act as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                         Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                    Gaps
                                    Shannon ME;
                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                     y match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1.6e+02; hes 15; Conservative 0; Mismarcher
                                                                                                                                                                                                                                                         nvention for scanning the sequence represented in ACN63103
                                     Chen W,
                                                                                                                                                                                                                                                                            Sequence 17 BP; 5 A; 3 C; 8 G; 1 T; 0 U; 0 Other;
                                     Rank D,
                                                                                                                                Disclosure; SEQ ID NO 8353; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:8667.
                                      Hanzel DK,
                                                                                                                                                                                                                                                                                                                                         1109 CACCTCCTCCTTGCTG 1124
                                                                                                                                                                                                                                                                                                                                                                                                                 ACN71765 standard; DNA; 17 BP.
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2001WO-US000661.
2001WO-US000662.
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2001WO-US000664.
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2001WO-US000669.
2001WO-US000670.
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2001WO-US000666.
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2000US-0236359P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hGDMLP-1 agonist hGDMLP a
skeletal muscle function.
                                      Gu Y, Ji Y, Penn SG,
                                                          WPI; 2004-533378/51.
        (CHEN/) CHEN W.
(SHAN/) SHANNON M E.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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04-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                      ACN71765;
                                                                                                                                                                                                                                                                                                    Query Match
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Matches
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                                                                                                                Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence sampled mapping; genomic analysis; complex genome mapping; cosmid library; Giardia lamblia; T7 promoter; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer to generate probe flanking the sCos-1 T7 promoter site.
Shannon ME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
   Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
      Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 8667; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SALK ) SALK INST BIOLOGICAL STUDIES.
      Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        274 AAGCCAAGAAGAA 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          93US-00078471.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 93.8%;
nes 15; Conservative
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Best Local Similarity
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                                                                                                                              Query Match
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                                                                                                                                                  Best Loca
Matches
                                                                                                                                                                                                                                                                                                  RESULT 265
                                                                                                                                                                                                                                                                                                                 ADM92954
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                                                                                                                                                         In a sequence-sample mapping procedure using a Giardia lamblia 20-genome equivalent cosmid library, each end of the genomic insert in a cosmid was detected as a vector/genomic chimera by hybridisation with probes flanking the T3 and T7 promoter sites of Ecos-1. The 1046 bp T3 probe was amplified from accel, with the primers AAQ80946 and AAQ80947 and the 1004 bp T7 probe was amplified with primers AAQ80948 and AAQ80949. The T7 probe was labelled with 35S- dATP and the T3 probe with 33P-dATP for dual-label hybridisations. Maps were constructed by determining an order of fragments with no gaps using a computer program. (Updated on 25-MAR-2003 to correct PN field.)
                                                      - by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Otsuki T, Wakamatsu A, Sato H, Ishii S;
Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I;
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06773 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotides ADM01316-ADM03758 are useful in gene therapy, for developing a diagnostic marker or medicines
                                                Sequencing complex genomes, present as fragments in a cosmid library - k sequencing end-specific nucleotides of each clone then correlating with spatial relationship of cosmid, esp. for mammalian chromosomes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human; gene therapy; diagnostic marker; pharmaceutical; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.4; DB 1; Length 18; 33.8%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  IndelB
                                                                                                                                                                                                                                                                                                                                                                          Sequence 18 BP; 4 A; 2 C; 9 G; 3 T; 0 U; 0 Other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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                                                                                                                            Example 3; Page 44; 128pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PCR primer SEQ ID NO:5102.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (REAS-) RES ASSOC BIOTECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1520 CCCCAACTCCGCCCAG 1535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ВР.
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                                                                                                                                                                                                                                                                                                                                                                                                                              93.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADM06417 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18 cccraacrcccccag
                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 93.8
108 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sugiyama T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Yamamoto J, Isono Y,
Seki N, Yoshikawa T,
                 WPI; 1995-036508/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-723558/69
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                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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The invention relates an isolated polynucleotide (I) encoded by a cardiovascular associated (CA) gene, having allelic variation contained in a functional surrounding like full length cDNA for CA gene polypeptide, and with or without the CA gene promoter sequence. (I) is a polynucleotide comprising single nucleotide polymorphisms predicting cardiovascular disease. The polynucleotide polymorphisms predicting predisposition or susceptibility to a cardiovascular disease, e.g. atherosclerosis, ischemia/reperfusion, hypertension, restenosis, arterial inflammation, myocardial infarction, and stroke. These may also be used to predict personal medication schemes omitting adverse drug reactions, or as probes for detecting genetic polymorphisms and as templates for the recombinant production of normal or variant peptides/polypeptides encoded by the genes. This sequence corresponds to a PCR primer to amplify one of the genes of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SNP; single nucleotide polymorphism; cardiovascular associated gene; allelic variation; atherosclerosis; ischemia; reperfusion; hypertension; restenosis; arterial inflammation; myocardial infarction; stroke; primer;
                         therapy. The proteins ADM03759-ADM06201 encoded by the polynuclectides are useful as pharmaceutical agents. The present sequence represents an oligonuclectide used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated polynucleotides comprising single nucleotide polymorphisms of the cardiovascular gene, useful for assessing predisposition or susceptibility to a cardiovascular disease, e.g. atherosclerosis, restenosis or stroke.
                                                                                                                                                                                                                                                                                                                                                                     Gape
for regulating their expression and activity, or as a target of
                                                                                                                                                                                                                                                                                                                                                                     .
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                                                                                                                                                                                                                                                                   0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.9e+02; ive 0; Mismatches 1; Indels
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Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SNP-containing cardiovascular associated gene primer #285.
                                                                                                                                                                                               Sequence 18 BP; 4 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18 BP; 8 A; 5 C; 2 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kallabis H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1094 GTGGAAGATGCTCAAC 1109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-JAN-2003; 2003WO-EP000060.
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                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-577532/54.
                                                                                                                                                                                                                                                                                                                      Local Similarity
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The invention relates to a kit for diagnosing and treating T-cell associated diseases which comprises a panel of nucleic acid primers pecifically priming and allowing amplification of each 'Dete agene, 'Determing and allowing amplification of each 'Determing and allowing autoing a system diseases.

The properties of the sease of the sease of the sease of including autoimmune diseases, degenerative nervous system diseases.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alzheimer's disease, hypersensitivity disease, type I hypersensitivity, allergy, type II hypersensitivity, Goodpasture's syndrome, type IV hypersensitivity; leprosy; infectious disease, viral infection, HIV; fungal infection, Candida, parasitic infection; schistosome; filaria, bacterial infection, Mycobacterium, neoplastic disease, lymphoproliferative disease, leukaemia, lymphoma; cancer; brain cancer, breat cancer; ss; PCR; primer.
  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   human, T-cell associated disease; Vbeta; autoimmune disease; degenerative nervous system disease; graft versus host disease; typersenshitivity disease; infectious disease; neoplastic disease; Addison's disease; atrophic gastritis; degenerative nervous system disease; multiple sclerogis;
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  Indels
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  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                    Human Vbeta point mutation PCR primer #10.
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                                                    1488 GTCACCAAGTAACCAG 1503
                                                                                                                                                                                                                                            ADH71057 standard; DNA; 18 BP
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95US-00531241.
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     15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (HOOD/) HOOD L E. (ROWE/) ROWEN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2002150891-A1.
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19-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                  25-MAR-2004
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                                                                                                                                                                                                                                                                                                ADH71057;
        Matches
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises concacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 creeptor, IGF blinding protein [IGFB]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, circlammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide of the present invention (see AAF45151 and AAF45153-0190nucleotides of the present invention (see AAF45151 and AAF45153-101). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloide, keratosis, chthyosis, pityriasis, ruba, pilaris, serborrhoea, keloide, keratosis, chthyosis, pityriasis, usuch as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin discorder; Insulin-like Growth Factor. I receptor; IGF-1; pityriasis; IGF binding proctein; IGFBP-2; IGFBP3; inflammation; psoriasis; pitaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keatoosis, neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasis; kidney disease; neobascular condition; hyperplasis; kidney disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
such as leukaemias, lymphomas and cancers such as cancer of the brain,
breast. The present sequence represents a Vbeta point mutation PCR
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                                                                                                                       0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.9e+02; tive 0; Mismatches 1; Indels
                                                                                  Sequence 18 BP; 1 A; 4 C; 9 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 7; Page 47; 201pp; English.
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                                                                                                                                                                                                             649
                                                                                                                                                                                                                                                                                                                                                      AAF47085 standard; DNA; 15 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GFBP3 oligonucleotide #505.
                                                                                                                                                                                                                                            17 TCACCGGGAACCCCA
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                                                                                                                                                                                                           634 TCACCCGGGAGCCCCA
                                                                                                                             Query Match 0.99
Best Local Similarity 93.8
Matches 15; Conservative
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                                                 primer.
                                                                                                                                                                                                                                                                                                                   RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         akin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP], which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense oligonucleotide which can be used to design the antisense inchinged is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, hyperneovascular condition such as a neovascular condition of the skin, a hyperneovascular condition and as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, hyperproliferation of the inside of blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            present invention relates to a method for ameliorating the effects of
                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
                                                                               Gaps
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                                    Score 14; DB 1; Length 15;
Pred. No. 1.2e+02;
0; Mismatches 0; Indels
Sequence 15 BP; 5 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
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            Query Match 0.9%; Score 14; ub
Best Local Similarity 100.0%; Pred. No. 1.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vessels or any other hyperplasia
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                                                                                                                      136 AGCTCCAGGAATG 149
                                                                                                                                                                                                                                                                                                                                                                                               oligonucleotide #504
                                                                                                                                              1 AGCTCCAGGAAATG 14
                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                             AAF47084;
                                                                                                                                                                                                                                                                                                                                                                                             IGFBP3
                                                                                                                                                                                                                             RESULT 268
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0.9%; Score 14; DB 1; Length 15; 100.0%; Pred. No. 1.2e+02;

Best Local Similarity

Query Match

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genetic sequence, which comprises a single-stranded oligonucleotide
having a DNA domain. The DNA domain has at least one mismatch with
cepect to the genetic sequence to be altered and further comprises
chemical modifications of the oligonucleotide. The chemical modifications
consist of o-methyl modification, an LNA modification, two or more
phosphorothioate linkages on a terminus, or a combination of any two or
more of these modifications. The oligonucleotides are useful for
directing repair or alteration of plant genetic information. The
coligonucleotides are particularly useful for creating plants with desired
phenotypes, e.g. environmental or abiotic stress tolerance, improved
nutritional value (e.g. altering amino acid content of plants or
conferring amino acid over production), herbicide resistance (e.g.
glyphosate resistance, imidazolinone and sulphonylurea herbicide
resistance, porphyric herbicide resistance or triazine resistance),
disease resistance, modified oil production, modified starch production
(e.g. increased starch or production of waxy starch), altered floral
                                                                                                                                                                                                                                                                                                              Chromosomal genomic alteration; genome altering oligonucleotide, PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin=B; abiotic stress tolerance; improved nutritional value; hygromycin; B; amino acid over production; herbicide resistance; glyphosate resistance; porphyric herbicide resistance; sulphonylurea herbicide resistance; modified oil production; modified starch production; waxy starch; modified oil production; modified starch production; waxy starch; modified fatty acid content; reduced palmitate production; albino plant; increased stearate production; reduced linolenic acid production; photosynthetic process.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an oligonucleotide for targeted alteration
                                                                                                                                                                                                                                                                            Stress tolerance conferring genome altering oligonucleotide #63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kim J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 7; Page 100; 220pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rice MC,
                                                                                                                                                ВР.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JUN-2001; 2001WO-US017672
136 AGCTCCAGGAAATG 149
                                                                                                                                              ABK25595 Btandard; DNA; 17
                                        2 AGCTCCAGGAATG 15
                                                                                                                                                                                                                                    09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eucalyptus camaldulensis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kmiec EB, Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-106307/14.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chromosomal genomic alteration; genome altering oligonucleotide, PCR; se; o-methyl modification; LNA modification; phosphorothioate linkage; but replain; DNA alteration; environmental tolerance; hypromycin-B; abiotic stress tolerance; improved nutritional value; hypromycin, primer; amino acid over production; herbicide resistance; glyphosate resistance; porphyric herbicide resistance; sulphonylurea herbicide resistance; modified oil production; modified starch production; waxy starch; modified floral morphology; male-sterile plant; albino mutant; increased stearate production; reduced plant; albino mutant; increased stearate production; reduced linolenic acid production; plant; increased stearate production; reduced linolenic acid production;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced palmitate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynchetic processes. This sequence represents a genome altering oligonucleotide of the invention
                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stress tolerance conferring genome altering oligonucleotide #64.
                                                                                                                                                                                                     ..
                                                                                                                                                            Length 17;
                                                                                                                                                                                                   0; Indels
                                                                                                                      Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                               0.9%; Score 14; DB 1; Le
100.0%; Pred. No. 1.8e+02;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 7; Page 100; 220pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rice MC,
                                                                                                                                                                                 ilarity 100.0%; Processive 0;
                                                                                                                                                                                                                                                                                                                                                                              ABK25596 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
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                                                                                                                                                                                                                                            1202 GGTCACCACGGTGG 1215
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                                                                                                                                                                                                                                                                             14 GGTCACCACGCTGG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       photosynthetic process
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               UYDE ) UNIV DELAWARE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-106307/14.
                                                                                                                                                                                   Local Similarity
hes 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200192512-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                       ABK25596;
                                                                                                                                                                     Query Match
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                                                                                                                                                                                                         Matches
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directing repair or alteration of plant genetic information. The oligonucleotides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved nutritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. glyphosate resistance, imidazolinone and sulphonylurea herbicide resistance, porphyric herbicide resistance or triazine resistance), disease resistance, modified calistance or triazine resistance), disease resistance, modified calibrouply (e.g. increased starch or production, modified fatty acid content (e.g. reduced plants) or modified fatty acid content (e.g. reduced plants) or modified fatty acid content (e.g. reduced plants) are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome altering oligonucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-Cleaver ribozyme; decoy molecule; aptemer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; 88.
                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lee P;
The oligonucleotides are useful for
                                                                                                                                                                                                                                                                                                                         ;
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                                                                                                                                                                                                                                                                                      0.9%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.8e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HCV DNAzyme substrate sequence #1541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP.
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08-JUN-2001; 2001US-0087478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAR-2002; 2002WO-US009187.
 these modifications.
                                                                                                                                                                                                                                                                                                                                                           1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACD59851 standard; RNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                           Conservative
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Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DRAPER K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ROBERTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200281494-A1.
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                                                                                                                                                                                                                                                                                                                         14;
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACD59851;
                                                                                                                                                                                                                                                                                              Query Match
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especially in combination with type I interferon therapy
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                                                                                                                                                                                                                                                                                                     The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acid such as hammerhead ribozymes, DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, care nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV C genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,
                      Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acid; RNA cleavage; hepatitis C virus; HCV;
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Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pavco PA,
                                                                                                                                                                                                                                                                                                                                                   4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            88; enzymatic nucleic acia, was constructed infection; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HCV DNAzyme substrate sequence #1541.
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                                                                  Claim 1; Page 261; 387pp; English
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                                                                                                                                                                                                                                                                                                                           0.9%;
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                                                                                                                                                                                                                                                                                                                                                                     ADI84295 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                     Local Similarity 71.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          enzymatic nucleic
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
WPI; 2003-229207/22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus.
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                                              infection
                                                                                                                                                                                                                                                                                  Invention
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(MCSW/) R
(ROBE/) I
(PAVC/) I
                                                                                                                                                                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 272
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This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid trappet site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first
                                                                 The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Identifying a cell with a desired oligonucleotide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mutant cell identification-related mutagenic oligonucleotide SeqID955
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant; amino acid production; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
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Claim 1; SEQ ID NO 1541; 198pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eucalyptus camaldulensis.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kmiec EB, Van Brabant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    selectable phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-340941/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2004033708-A2
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                                                                                                                                                                                                                                                                                                                                                             sequence.
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This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent or presence of a selectable phenotype conferred by a concurrent congonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abit stress tolerance, albino plants or plants with serile plants or ad production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                        ô
the production of plants within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abiotic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Identifying a cell with a desired oligonuclectide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mutant cell identification-related mutagenic oligonucleotide SeqID956.
                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant;
                                                                                                                                                                                                                           ö
                                                                                                                                                                             0.9%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 1.88+02; tive 0; Mismatches 0; Indels
                                                                                                                                             Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 25; SEQ ID NO 956; 303pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYDE ) UNIV DELAWARE.
(NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                          ADN44287 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-OCT-2002; 2002US-0416983P.
07-MAR-2003; 2003US-0453360P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-OCT-2003; 2003WO-US031862.
                                                                                                                                                                                                                                                                  1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid production; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ä
                                                                                                                                                                                                                                                                                                          14 dercaccaceres 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eucalyptus camaldulensis.
Synthetic.
                                                                                                                                                                                                      Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Van Brabant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              selectable phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-340941/31.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN44287;
                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                        RESULT 274
                                                                                                                                                                                                                                 Matches
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                                                          ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New anti:sense hepatitis C virus oligo:nucleotide(s) - used for inhibiting HCV RNA translation, for the treatment or prevention of HCV infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                           Gaps
                                                                                                                                                                                                                                                                                                                      Inhibition, expression; hepatitis C virus; HCV; non-A; non-B; RNA; translation; in vivo; ex vivo; in vitro; treatment; prevention; infection; antisense; non coding; region; NCR; core region; 88.
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                             0.9%; Score 14; DB 1; Length 17;
00.0%; Pred. No. 1.8e+02;
                                                           Indels
                                                                                                                                                                                                                                                                                          Hepatitis C virus antisense oligonucleotide A377 (17).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 1 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                          100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 31; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 fold molar excess to HCV RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX75009 standard; RNA; 17 BP.
                                                                                                                                                                                                      BP.
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                                                                                            1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              222 CTCATAGAAAAACAAA
                                                                                                                                                                                                     AAT05231 standard; DNA; 17
                                                                                                               4 GGTCACCACGGTGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GEHO ) GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sest Local Similarity 88.2
Matches 15; Conservative
                                 Query Match
Best Local Similarity 100.0
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Wands JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1995-404113/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                        WO9530746-A1.
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                                                                                                                                                                                                                                                                    13-JUN-1996
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                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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                                                                                                                                                                           RESULT 275
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ID AAX7
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Guo L, Skokut TA;

Mus sp.

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The present invention describes an enzymatic nucleic acid molecule (I) with RNA cleaving activity, which modulates the expression of a plant gene. Also described is a gene comprising a cDNA sequence encoding maize Delta-9 desaturase. (I) can be used to modulate expression of a gene, preferably Delta-9 desaturase or a granule bound starch synthase (GBSS) gene, in a plant (preferably a maize or canola plant). (I) can be used to modulate caffeine synthesis in a coffee plant, incorine production in a tobacco plant, fruit ripening processes in an apple, tomato, pear, plum or peach plant, flower pigmentation in a rose, petunia, chrysanthemum or marigold plant or lignin production in a tobacco, aspen, poplar or pine
                                                                                                                                                                                                                                                                                                                                                                                                                        Ribozyme which modulates plant gene expression - preferably modulates expression of DELTA-9 desaturase or granule bound starch synthase in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ob receptor; ObR; cytokine receptor; signal transduction; eating disorder; obesity; cachexia; anorexia; bulimia; diagnosis; gene therapy; polymerase chain reaction; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                          Mcswiggen JA, Merlo PAO,
Merlo DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 5 A; 3 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 38; Page 85; 155pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1213 TGGCTTCCCACACTTCT 1229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Murine obR gene forward primer.
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95US-00566622.
95US-00569485.
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                                                                                                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17 TGGCTGCCAACACTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-AUG-1997 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15, Conservative
                                                                                                                                                                                                                                                                                                            Zwick MG, Edington BE,
Young SA, Folkerts O,
                                                                                                                                                                                                                                                                                                                                                                                WPI; 1997-202224/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                  (DOWC ) DOWELANCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    maize or canola.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
                                                              WO9710328-A2
                                                                                                                                                     12-JUL-1996;
                                                                                                                                                                                                 13-JUL-1995;
                                                                                                           20-MAR-1997.
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                       Zea mays.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAT69614;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                             Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; MSDF; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour anglogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic and molecule or the expression vector to the patient. AAX67575 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Maize; corn; Zea mays; delta-9 desaturase; GBSS; target; substrate; granule bound starch synthase; hammerhead ribozyme; hairpin ribozyme; modulation; gene expression; transgenic plant; cleavage; canola plant; caffeine synthesis; coffee plant; nicotine production; tobacco; fruit ripening; flower pigmentation; lignin production; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                   Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #537,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 64.7%; Pred. No. 1.9e+02; Matches 11; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Delta-9 desaturase hamerhead ribozyme target SEQ ID NO:687.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen J, Stinchcomb D, Escobedo J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 8 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 4; Page 171; 218pp; English
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96US-00584040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RIBO-) RIBOZYME PHARM INC. (CHIR ) CHIRON CORP.
                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-JUL-1999 (first entry)
                                                                                                                                                                                                 fms-like tyrosine kinase l
foetal liver kinase 1; ss
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                                         28-JUL-1999
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AAX75009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAX62812;
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Gaps

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A method has been developed of separating and detecting tagged

CC polymucleotides. The method comprises: providing a set of
polymucleotides, each tagged with a chromophore or fluorophore; resolving

CC polymucleotides differing in length by a single nucleotide using an
electrophoretic procedure capable of resolving tagged polymucleotides

CC polymucleotides by means of the chromophore or fluorophore. The present

CC polymucleotide by analysing tagged polymucleotide fragments generated by

CC polymucleotide by analysing tagged polymucleotide fragments generated by

CC polymucleotide sequencing technique which comprises: introducing the

CC polymucleotide fragments into an electrophoretic medium;

CC separating the tagged polymucleotide fragments in the electrophoretic

CC medium using an electrophoretic procedure capable of resolving the

CC medium using an electrophoretic procedure capable of resolving the

CC detecting the separated tagged polymucleotide fragments by means of the

CC chromophore or fluorophore; and determining the polymucleotide sequence

CC from the polymucleotide fragments detected. The present sequence

CT represents a DNA fragment sad in an example for end-labeling the DNA

CT represents a DNA fragment sad
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Secondary structure, mRNA; phosphorothicate backbone; G-protein; bronchoconstriction; lung inflammation; asthma; pulmonary disease; allergy; emphysema; cystic fibrosis; s8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1. .17
/ttag= a
/note= "contains phosphorothioate internucleotide
linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antisense oligonucleotide 911, targeting adenosine Al receptor.
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                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 5 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                           Disclosure; Fig 1; 16pp; English.
                                                                                                                                                                                                                                                                                                                                        represents a DNA fragment used fragment with a fluorescent tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1357 AAGCGCTGCAGGAATAC 1373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 ATGCTCTGCAGGAATAC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                    88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAV47411 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-NOV-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 88.2
nes 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9823294-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-JUN-1998
fluorophore
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV47411;
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nyce JW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV47411,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                          Forward and reverse PCR primers (AATG9614 and AATG9615) are based on the 3' sequence of mouse Ob receptor (ODR) CDNA clone famj5312 (see also AATG9590). They revealed a polymorphism on SSCP gels between C57B1/6J genomic DNA and wild-derived Mus spretus strain SPREY.Ei DNA. The polymorphism allowed the genetic mapping of famj5312 to murine chromosome 4, approx. 2.2 of distal to the marker D4Mit96 and 4.6 cM proximal to the marker D4Mit46. This mapping confirmed the results obtd. using another primer pair (AATG9612-13) derived from famj5312
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Electrophoretic analysis of DNA fragments - tagged with chromophore or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hunkapiller TJ;
                                                                                                                                                                                     Isolated Ob receptor genes and polypeptide(s) - useful to develop products for diagnosis or treatment of body weight disorders, e.g. obesity, cachexia, anorexia and bulimia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Electrophoretic analysis; DNA fragment; sequencing; chromophore;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                          White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Smith LM,
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       fluorophore; tag; electrophoresis; primer; ss
                                                                                                                          Tepper RI, Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hunkapiller MW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CALY ) CALIFORNIA INST OF TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic DNA fragment from US5821058.
                                                                                                                                                                                                                                                     Example; Page 122; 265pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 CACTACCTGCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           85US-00689013.
85US-00722742.
87US-00106232.
91US-00660160.
92US-00898019.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV61074 standard; DNA; 17 BP.
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 95US-00570142.
95US-00583153.
96US-00599455.
96US-00638524.
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                                                                                             (MILL-) MILLENNIUM PHARM INC
                                                               96US-00708123
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Best Local Similarity 88.2
Matches 15, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1998-567653/48
                                                                                                                                                         WPI; 1997-310525/28
                                                                                                                             Tartaglia LA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-JAN-1985;
11-APR-1985;
07-OCT-1987;
21-FEB-1991;
                 28-DEC-1995;
22-JAN-1996;
26-APR-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-JAN-1984;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-JUN-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US5821058-A
                                                               03-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-OCT-1998
      11-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV61074;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 279
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Sequences AAV46501-V47446 are anti-sense oligonuclectides that target the human adenosine A1 receptor, the design of which required the secondary contractive of this targets mRNA. The adenosine receptor mRNA secondary structure of this targets mRNA. The adenosine receptor mRNA secondary cartucture of solution and used to construct antisense containing a phosphorothioate backbone. Once the artisense molecules are created they can be used to target their their predetermined target, thus causing the gane product to decrease. The antisense oligonuclectides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptor is a member of the G-containing either a junction between the intron and exon, or where they contain coupled family of cell surface receptors that have 7-contoin coupled family of cell surface receptors that have 7-contoined segments. These oligonuclectides can be used to treat or provent conditions associated with bronchoconstriction and/or lung contoin in humans or other animals e.g. asthma, pulmonary disease, allergy, emphysema and cystic fibrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA. AN93889 to AN94574 represent specifically claimed ribozymes, and AAV94575 to AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes can be used for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ribozymes targetted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; IL-2 receptor g-chain; interleukin 2 receptor gamma chain; hammerhead ribozyme; hairpin ribozyme; substrate; expression; cancer; autoimmune disease; psoriasis; allergy; inflammatory disease;
respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human IL-2 receptor g-chain substrate position 1385.
                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                Claim 12; Page 8-24; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 37; 61pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV94804 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17 GCCCAGCCTGTGCCCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-FEB-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           graft rejection; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV94804;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV94804
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                      but and adenosine AAV46501-V47446 are anti-sense oligonucleotides that target the human adenosine A1 receptor, the design of which required the secondary etructure of this targets mRNA. The adenosine receptor mRNA secondary structure was both analysed and used to construct antisense oligonucleotides containing a phosphorothioate backbone. Once the antisense molecules are created they can be used to target their containing electronic their predetermined target. Thus causing the gene product to decrease. The antisense oligonucleotides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptor is a member of the G-protein coupled family of cell surface receptors that have 7-creamembrane segments. These oligonucleotides can be used to treat or prevent conditions associated with bronchoconstriction and/or lung inflammation in humans or other animals e.g. asthma, pulmonary disease, allergy, emphysema and cystic fibrosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating respiratory disease with antisense sequences directed against adenosine or bradykinin receptors - with localised delivery to the
          Treating respiratory disease with antisense sequences directed against
                          adenosine or bradykinin receptors - with localised delivery to the respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Secondary structure; mRNA; phosphorothioate backbone; G-protein; bronchoconstriction; lung inflammation; asthma; pulmonary disease; allergy; emphysema; cystic fibrosis; ss.
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/note= "contains phosphorothioate internucleotide
linkages"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                       Claim 12; Page 8-24; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV46535 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-NOV-1998 (first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1998-322464/28.
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Gaps

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psoriasis, non-hepatic

cancer, inflammation,

specific RNA, e.g.

caused by

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, c-raf, A-raf, B-raf, hammerhead ribozyme, hairpin ribozyme,
target, substrate; catalyst, modulation, expression, Raf gene, delivery,
screening; identification; synthesis; deprotection; purification, cancer,
inflammation, psoriasis, non-beatic ascites; infection; genetic drift;
restenosis, rheumatoid arthritis, ss.
e.g. graft rejection, autoimmune disease, cancer, psoriasis, allergy other inflammatory conditions. The ribozymes are also used to induce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Identifying new catalytic nucleic acid that modulates selected processes - especially ribozymes that cleave Raf RNA for treating cancer, restenceis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons.
                                                                                                                                                                                                                                                         Gaps
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Burgin A;
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0
                                                                                                                                                                                Similarity 47.1%; Pred. No. 1.9e+02;
8; Conservative 7; Mismatches 2; Indels
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Beigelman L, Mcswiggen JA, Karpeisky A,
J, Workman CT, Beaudry A, Sweedler D;
                                                               tolerance in a recipient to alloantigen from a donor
                                                                                                                       Sequence 17 BP; 0 A; 10 C; 0 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 177; Page 162; 259pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human A-Raf substrate position 2271.
                                                                                                                                                                                                                                                                                                                     693 CCTCACTTCTTTCC 709
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97US-0049002P.
97US-0051718P.
97US-0051808P.
97US-0061321P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                Query Match
Best Local Similarity
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Thompson J,
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              ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriaais or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against muclease and activity. AAV90922 to AAV93877 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or maxtures. The antisense oligonucleotides may be derived from sequences AAX5272-74. These multiple target oligonucleotides (specifically AAX55180-271) can be used for the antisense treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antisense oligonucleotide; multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasconstriction; inflammation; allergic rhinitis; acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary hypertension; pulmonary vasconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
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                                                                                                                                                                                                                               0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                     2; Indels
                                                                                                                                                                                           Seguence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                     Mismatches
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98US-00093972.
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diseases and conditions. Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancer such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, bepatocellular carcinoma, kidney cancer, melanoma, hepatic metastases, as well as all types of cancers which may metastasize or have metastasized to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antisense oligonucleotide, multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasoconstriction; inflammation; allergic rhinitis; acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary bypertension; pulmonary vasoconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis;
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                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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from sequences AAX55272-74. These multiple target oligonucleotides (specifically AAX5180-271) can be used for the antisense treatment of diseases and conditions. Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, colon cancer, breast cancer, lung cancer, pancreatic cancer, metastasses as well as all types of cancers which may metastasize or have metastassized to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a new composition comprising an antisense oligonuclectide (ON) with low adenosine (up to 15%), which targets nucleic acids involved in bronchoconstriction, altergies, and/or inflammation. The ON can have antiinflammatory, antiallergic, antiasthmatic, cytostatic and analgesic activities. The compositions are useful for the treatment of diseases associated with inflammation,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; adenosine receptor; low adenosine antisense oligonucleotide; phosphorothioare; impaired respiration; inflammation; allergy; allergy; allergic disease; bronchoconstriction; inhibitor; antiinflammatiory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemia; lymphoma; carcinoma; metastasis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Low adenosine antisense oligonucleotide SEQ ID NO:920.
                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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present invention describes a new composition comprising an antisense

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impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating e.g. ischaemic conditions, pulmonary vasoconstriction, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cyatic fibrosis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukaemias, lymphomas, carcinomas, and cancers which may metastasise to the lungs, including breast and prostate cancer. The reduction of the adenosine content of the construction and inflammation. AAA32313 to AAA35312 represent the roll of the conchoconstriction and inflammation. AAA32313 to AAA35312 represent the nucleotide sequences given in the sequence listing from the present content of the prevaiously named sequences. SEQ ID NO:1 to 185, but the sequences differ from the prevaiously named sequences. SEQ ID NO:11 to 180 (AAA3333 to AAA33992) are specifically claimed ONs from the present invention. N.B. Sequences given in the disclosure of the present invention on match is the corresponding SEQ ID NO: sequences given in the sequence
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configuration the national control of the configuration of diseases associated with inflammation. The ON can have antiinflammatory, antiallergic, and on the configuration of diseases associated with inflammation, impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating of e.g. ischaemic conditions, pulmonary vasoconstriction, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary Appertension, emphysema, chronic obstructive cultiprosis, pulmonary Appertension, emphysema, thronic obstructive cultiprosis, pulmonary disease (COPD), and cancers sund encers which may metastasise to the lungs, including carcinomas, and cancers which may metastasise to the lungs, including carcinomas, and cancers. The reduction of the adenosine content of the constructive of deoxyadenosine which activates adenosine receptors causing relates of deoxyadenosine which activates adenosine receptors causing bronchoconstriction and inflammation. AAA32312 to AAA33512 represent the nucleotide sequences given in the sequence listing from the previously named sequences. SeQ ID NO:1 to 2815, and then the last 185 from the previously named sequences. SeQ ID NO:1 to 185, but the sequences differ from the previously named sequences. SeQ ID NO:1 to 185, and then the last confict of the previously named sequences of the present invention do not match listing the their corresponding SEQ ID NO: sequences given in the disclosure of the present invention of the requence disconding sequences given in the sequences given in the sequences given in the disclosure of the present invention do not match listing the sequences given in the disclosure of the present invention to the test of the present invention to the present disconding SEQ ID No: sequences given in the disclosure of the pr

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0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
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                                                                                      17 GCCCAGCCTGTGCCCGC
                  Local Similarity 88.2
1es 15; Conservative
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Seguence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

listing

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Gaps

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Low adenosine antisense oligonucleotide SEQ ID NO:44.
     AAA32356 standard; DNA; 17 BP
                 (first entry)
                 28-JUL-2000
           AAA32356;
RESULT 287
   AAA32356,
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Human, adenosine receptor; low adenosine antisense oligonucleotide; phosphorothioate; impaired respiration; inflammation; allergy; allergy; diesase; bronchoconstriction; inhibitor; antiinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemia; lymphoma; carcinoma; metastasis; ss. Homo sapiens.

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WO200009525-A2
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99WO-US017712. 03-AUG-1999;

24-FEB-2000.

98US-0095212P 03-AUG-1998;

(UYEC-) UNIV EAST CAROLINA.

Nyce JW;

WPI; 2000-205971/18.

New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or cancers.

Claim 18; Page 272; 1343pp; English

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense oligonucleotide to Hepatitis C virus RNA, useful for treating Hepatitis C virus infections.
                                                                                                                                                                                                                                                                         Gaps
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88.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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Best Local Similarity 88.2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wands JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-104900/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Moradpour D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                                                            AAZ57766;
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                                                                                                                                                                                                                                                                                                                                         RESULT 288
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invention relates to HCV antisense oligonucleotides, and also for a vector comprising a nucleotide sequence which is transcribed in an animal cell to generate an antisense oligonucleotide. The oligonucleotides have virucide, hepatotropic and anti-inflammatory activity, and are useful for treating HCV infection by inhibiting translation of type I-V HCV RNA. Peptitis C virus is a positive strand RNA virus, and is the major causative agent of post-transflaion hepatitis. Persistent HCV infection can lead to chronic hepatitis, cirrhosis, and hepatocellular carcinoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention describes a pharmaceutical composition, comprising at least one agent (I) that prevents, alleviates and/or inhibits adenosine-mediated cardiopulmonary and/or renal damage and/or failure.
(I) is an adenosine Aza receptor agonist (Ia), or an oligonocleotide (Ib), containing less than 15% adenosine (A), that is antisense to target genes or corresponding RNA, to genomic flanking regions (i.e. 5' or 3' ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine Al, AZa, AZb or A3 receptors, and has Al, AZb or A3 agonist activity or AZa antagonist activity or Aza antagonist activity (or at least no agonist activity at this receptor). (I) may be a mixture of (Ia) and optionally also contains one or more surfactants. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine A2a receptor; adenosine Ab receptor; adenosine A3 receptor; phosphorochioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndrome; cytoprotective; anti-allergic; anti-inflammatory; anti-hypoxic; supraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel composition for treating or preventing e.g. cardiopulmonary and
                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human adenosine Al receptor antisense oligonucleotide SEQ ID NO:874.
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                                                                                                                                                                                                                      Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                 Sequence 17 BP; 1 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                                                                                                                                                      238
                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
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98US-00093972.
98US-0088657P.
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                                                                                                                                                                                                                                                                                                                                         17 CTCAAAGAAAACCAAA 1
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                                                                                                                                                                                                                                                                                                    222 CTCATAGAAAAACAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                          AAA03590 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                  Query Match 0.8°
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  renal injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9963938-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAA03590;
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                                                     administration of drugs or imaging agents, e.g. adenosine for treating supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with seppis); allergic rhinitis; chronic obstructive pulmonary disease; cardiopulmonary hypoxia acsociated with administration of stress-test agents, particularly where such conditions are associated with acute inflammation. AAA02717, AAA02719, AAA02721 and AAA02723 to object in the composition of the present invention. AAA02718, AAA02722 and AAA03716 to AAA03720 represent cother phosphorothioate oligonucleotides for use in the composition of the present invention. AAA02718, AAA02722 and AAA03716 to AAA03720 represent other phosphorothioate oligonucleotides used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a pharmaceutical composition, comprising at least one agent (1) that prevents, alleviates and/or inhibite adenosine-mediated cardiopulmonary and/or renal damage and/or failure. (1) is an adenosine Aza receptor agonist (Ia), or an oligonucleotide (Ib), containing less than 15% adenosine (A), that is antisense to target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine A2a receptor; adenosine Ab receptor; adenosine A3 receptor; phosphorothioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndrome; cytoprotective; anti-allergic; anti-inflammatory; anti-hypoxic; supraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              composition for treating or preventing e.g. cardiopulmonary and
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compositions are used to prevent, alleviate and/or treat adenosine receptor-mediated cardiac, lung and/or renal damage or failure (particularly where associated with ischaemia, toxin release and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human adenosine Al receptor antisense oligonucleotide SEQ ID NO:944.
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                                                                                                                                                                                                                                                                                                                       Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                       Seguence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                      1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAA03660 standard; DNA; 17 BP
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98US-00093972.
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                                                                                                                                                                                                                                                                                                                                               88.2%;
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                                                                                                                                                                                                                                                                                                                                             Local Similarity 88.2
nes 15; Conservative
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                                                                                                                                                                                                                                                   present invention
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content antisense

The present invention describes low adenosine (A)

Claim 14; Page 120; 1592pp; English.

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genes or corresponding RNA, to genomic flanking regions (i.e. 5' or 3' ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine Al, A2a, A2b or A3 receptors, and A1, A2b or A3 agonist activity or A2a antagonist activity (or at least no agonist activity at this receptor). (I) may be a mixture of (Ia) and optionally also contains one or more surfactants. The compositions are used to prevent, alleviate and/or treat adenosine receptor-mediated cardiac, lung and/or renal damage or failure creceptor-mediated cardiac, lung and/or renal damage or failure (particularly where associated with ischaemia, toxin release and/or cadministration of drugs or imaging agents, e.g. adenosine for treating supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with sepsis); allergic rhinitis; chronic obstructive columnary disease; cardiopulmonary hypoxia associated with administration of stress-test agents, particularly where such conditions are associated with acute inflammation. AAA02717, AAA02721 and AAA02721 and AAA02723 to AAA03718, AAA02722 and AAA03716 to AAA03720 represent towention. AAA02718, AAA02719, AAA03720 represent other conditions columnary invariors of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present invention
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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; iive 0; Mismatches 2; Indels 1530 GCCCAGCCTCTCCCCGC 1546 Ouery Match Best Local Similarity 88.2 Matches 15, Conservative

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Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

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Gaps

0;

17 GCCCAGCCTGTGCCCGC AAF19353; RESULT 291 AAF19353/ 셤

BP.

Low adenosine antisense oligonucleotide; phosphorothioate; allergy; Human adenosine Al receptor polynucleotide fragment #920. AAF19353 standard; DNA; 17 14-MAR-2001 (first entry) 

human, airway disorder; bronchoconstriction; Iung inflammation; surfactant depletion; respiratory; bronchodilator; antiinflammatory; surfactant depletion; respiratory; bronchodilator; antiinflammatory; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; pulmonary hypertension; emphysema; pulmonary transplantation rejection; pulmonary disease; pulmonary transplantation rejection; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; cancer; ss.

WO200062736-A2. Homo sapiens.

26-OCT-2000

24-MAR-2000; 2000WO-US008020

EAST CAROLINA. UYEC-) UNIV

99US-0127958P

06-APR-1999;

. ₹ NYCE/) NYCE

Nyce JW;

WPI; 2000-679539/66.

Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers and respiratory obstructions.

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the present invention describes tow accessories of them. In the antisense coligonucleotides and compositions (I) comprising them. In the antisense coligonucleotides the A is replaced by a 'Universal' or alternative base. (I) can have respiratory, bronchodilator, antishinflammatory, analgesic, immunosuppressive, antisathmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (I) can be used to down-regulate the expression and or activity of target polypeptides associated with clumg/respiratory disorders and ransmitters, transcription factors, contraining peptide factors and transmitters, transcription factors, chemokines, endogenously produced specific and non-specific enzymes, binding proteins, adenosine receptors, cytokines and chemokine receptors, adenosine receptors, brackine receptors, contraining proteins, adenosine receptors, brackine seceptors, centrain creeptors, contraining proteins, adenosine receptors, brackine and malignancy associated proteins. The receptors, chinding proteins and malignancy associated proteins. The creeptors, binding proteins and malignancy associated proteins. The antisense oligonucleotides may be used in this way to treat disorders including respiratory obstruction (especially pulmonary obstruction and/or bronchoconstriction) and/or lung inflammation, allergy ies and/or surfactant hypoproduction which are associated with a disease or condition selected from pulmonary vasoconstratory distress syndrome (RDS), pain, cystic fibrosis (CP), allergic rhinitis (AR), pulmonary conductions, impeded respiration, respiratory distress syndrome (RDS), pain, cystic fibrosis (CP), allergic rhinitis (AR), pulmonary infections, bronchitis, and/or cancer. AAPI8434 to AAF21543 represent human polynucleotide.
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Gaps ; 0 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels Query Match
Best Local Similarity 88.2'
Matches 15, Conservative

RESULT 292 AAF18477/

AAF18477 standard; DNA; 17 BP 14-MAR-2001 (first entry) AAF18477;

Low adenosine antisense oligonucleotide; phosphorothioate; allergy; human; airway disorder; bronchoconstriction; lung inflammation; surfactant depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhintis; pulmonary hypertension; emphysema; pulmonary transplantation rejection; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; Human adenosine Al receptor polynucleotide fragment #44. cancer; ss.

Homo sapiens.

WO200062736-A2.

26-OCT-2000.

24-MAR-2000; 2000WO-US008020.

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19-OCT-2000.
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                                                                                                                                                                                                                                                                                                     The present invention describes low adenosine (A) content antisense oligonucleotides and compositions (I) comprising them. In the antisense coligonucleotides the A is replaced by a 'Universal' or alternative base. (I) can have respiratory, bronchodilator, antiinflammatory, analgesic, immunosuppressive, antiasthmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (I) can be used to down-regulate the expression and or activity of target polypeptides associated with captrasting peptide factors and maignancies, such as stimulating and cativating peptide factors and transmitters, cytokines and commonoglobulins and antibodies, antibody receptors, cytokines and chemokine, endogenously produced specific and non-specific enzymes, chemokine receptors, adenosine receptors, cytokines and chemokine receptors, adenosine receptors, brinding proteins adhesion molecules and their receptors, central cerospecies, adenosine receptors, bradykinin receptors, central cerospecies, adenosine receptors, bradykinin receptors, central cerospecies, adenosine and non-nervous system poptide transmitters, defensins, growth factors, vasoactive peptides and receptors, binding proteins and malignancy associated proteins. The antisense oligonucleotides may be used in this way to treat disorders including respiratory obstruction (especially) and/or bronchoconstriction) and/or lung inflammation, allergy (set) antisement hypoproduction which are associated with a disease or condition selected from pulmonary vasociated with a disease or condition cand, part, and part ceroin respiratory distress syndrome and part cand part ceroin condition, and part ceroin part ceroin part ceroin 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                    Low adenosine (A) content antisense oligonuclectides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers and respiratory obstructions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypertension, emphysema, chronic obstructive pulmonary disease (COPD), pulmonary transplanterion rejection, pulmonary infections, bronchitis, and/or cancer. AAF18434 to AAF21833 represent human polynucleotide fragments and antisense oligonucleotides used in the exemplification of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                         Claim 14; Page 106; 1592pp; English.
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  99US-0127958P.
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                                         (UYEC-) UNIV EAST CAROLINA (NYCE/) NYCE J W.
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                                                                                                                                             WPI; 2000-679539/66.
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06-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF02647;
                                                                                                        Nyce JW
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                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
                                                                                                                                                                                                                           Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 6 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                      Zwick M, Pavco P, Mcswiggen J;
                                                                                                                                                                                                                                                                                                                             Claim 37; Page 77; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    116 CCAGACGGTCTCAGACA 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CCAGACGTTCTCAGTCA 17
11-APR-2000; 2000WO-US009721.
                                              99US-0129390P
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88.28;
                                                                                       (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABK01885 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human NOGO Zinzyme #207.
                                                                                                                                                                                    WPI; 2000-647423/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             interferon alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200159103-A2.
                                              12-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-AUG-2001
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                                                                                                                                      Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABK01885;
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down corresponsable of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving an RNA molecule DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) proma a memberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg^2+. The CD20-targetting nucleic acid may be used to the reatment may further comprise the use of one or more conference of the particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-thoram immunodeficiency virus) associated NHL, lymphocytic lymphoma, lawmocytoma (IMCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, (immuno thrombocytopaenia, and inflammatory arthropathy. The NOGO gene in the presence of a divalent cation that is preferably Mg^2+. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the conference of a divalent having a condition associated with the level of conference of a divalent having a condition associated with the level of conference of a divalent having a condition associated with the level of conference of a stroke). Altahamer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, and/or other neurodegemerative disease, teaxia, Huntington's disease, Creutzfeldt-Jakob conference muching the module of sensest nuscent method to the module of senset nucleic acid or the module of the module 
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                                                                                                                                                                                                                          Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the modulation of NOGO expression. The present
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence is a zinzyme molecule of the invention
                                                                                                                                   Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                 Claim 88; Page 99; 200pp; English.
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                   RIBOZYME PHARM INC
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                   Mcswiggen J,
                                                            MCSWIGGEN J.
CHOWRIRA B M.
                                                                                                                                                                                 WPI; 2001-607195/69
                                           BLATT L.
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                   (RIBO-)
(BLAT/)
                                                                 (MCSM/)
                                                                                     (CHOM/)
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B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arknopathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemocherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chowrira BM;
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-FEB-2001; 2001WO-US004273.
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                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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Claim 88; Page 83; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates expression of a cD20 gene and a nucleic acid molecule which down reguression of a curite growth inhibitor gene (down cregulates expression of a neurite growth inhibitor gene (NGGO). The cregulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids (e.g. a ribozyme or a nucleic acids (e.g. a ribozyme or a numberzyme (an endolytic nucleic acid cleaving as n RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NVH woith) a NVH woith or the presence of a divalent cation that is preferably Mg^2, the of CD20 in the presence of a divalent cation that is preferably Mg^2, the catherance, it may be contacted with a cell to reduce CD20 activity of the call and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-theraphoma (MLL), bulky low-grade or follicular NHL, lymphocytic lymphoma (MLL), immunocéficiency virus) associated with, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphocytic lymphoma (MCC). The treatment may further comprise the use of one or more call and treat a patient having a condition associated with the level of location cold may be contacted with a cell to reduce NOGO activity of the cell and treat a patient ha

Sequence 17 BP; 8 A; 2 C; 2 G; 0 T; 5 U; 0 Other;

Mouse, obese receptor, ObR, anorectic, anabolic, body weight disorder; therapy, obesity, cachexia, anorexia, PCR primer, 88.

95US-00562663. 95US-00566622. 95US-00569485.

98US-00069781.

29-APR-1998;

27-NOV-1995;

04-DEC-1995 11-DEC-1995 28-DEC-1995

US6287782-B1

11-SEP-2001

Mus spretus.

95US-00570142. 95US-00583153. 96US-00599455.

96US-00638524 96US-00708123

22-JAN-1996; 26-APR-1996; 03-SEP-1996;

Mouse famj5312 ObR cDNA amplifying forward PCR primer.

(first entry)

03-JAN-2002

AAD20529;

BP

AAD20529 standard; DNA; 17

AAD2052

CACTATTTGCCCTTCAG 17

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test
                                                                                                                                                                                                                                                                                                 Mouse; obese receptor; ObR; anorectic; anabolic; body weight disorder; therapy; obesity; cachexia; anorexia; PCR primer; ss.
                                 Gaps
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                     Mouse ObR genomic DNA amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tepper RI, Culpepper JA, White DW;
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                                                             1622 AATAAACTGTCTTGTG 1638
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95US-00566428.
95US-00569488.
95US-00591143.
96US-00599455.
96US-00599453.
96US-00708123.
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                                                                                                                                                                                                                                       (first entry)
                               Conservative
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              Best Local Similarity
Matches 15; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
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03-SEP-1996;
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 Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                             White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example; Col 63; 109pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                             Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                    28-MAY-1997
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Matches
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88.24;

Query Match 0.8 Best Local Similarity 88.2 Matches 15; Conservative

AAF79852

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The present invention relates to oligonucleotides that downregulate the expression of human Grb2-related with Insert Domain (GRID) gene. GRID is a T-cell co-stimulatory adaptor protein. The oligonucleotides are useful for modulating the expression of GRID, to treat conditions such as tissue/graft rejection and leukaemia. The oligonucleotides can also be administered in conjunction with other therapies such as radiation, chemotherapy and cyclosporin treatment. The present oligonucleotide was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse, obese receptor, ObR; receptor, body weight disorder, obesity, cachexia, anorexia, anorectic, anabolic, immunomodulator, PCR, primer,
                                                                                                                                                                                                                                                                  New nucleic acid(s) for regulating the Grb2-related with Insert I
(GRID) gene comprises using antisense and enzymatic nucleic acid
molecules such as hammerhead ribozymes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mouse Ob receptor (ObR) gene amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; 88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                      Mcswiggen JA,
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                                                                                                                                                                                                                                                                                                                                       Claim 4; Page 67; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              used to illustrate the invention
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95US-00569485.
95US-00570142.
95US-00583153.
96US-00599455.
96US-00638524.
                                                                               23-FEB-2001; 2001WO-US005957.
                                                                                                                   24-FEB-2000; 2000US-0184594P.
                                                                                                                                                                                                   Von Carlowitz I,
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                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC (GLAX ) GLAXO GROUP LID.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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les 15; Conserv
                 WO200162911-A2
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08-DEC-1995;
11-DEC-1995;
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22-JAN-1996;
26-APR-1996;
03-SEP-1996;
                                                 30-AUG-2001
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                                                                                                                                                                                                    Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel duplex useful in sequencing reactions, comprising an oligonucleotide primer covalently coupled to a chromophore or fluorophore so as to allow chain extension by a polymerase, and a template.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a duplex comprising a template and a primer joined to a chromophore or fluorophore to enable chain extension by a polymerase. Also described is a method of sequencing a nucleic acid using said primer, where the chromophore or fluorophore is used to determine the sequence of the oligonucleotide. This is useful in sequence analysis. The present sequence was used to demonstrate the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human, Grb2-related with Insert Domain, GRID, T-cell,
co-stimulatory adaptor protein; tissue rejection, graft rejection,
leukaemia; cytostatic, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Connell CR;
                                                                                                                                               DNA sequencing; sequence analysis; chromophore; fluorophore; ds.
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hunkapiller TJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 5 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CALY ) CALIFORNIA INST OF TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hunkapiller MW,
                                                                                                             DNA sequencing method DNA fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, Fig 1A; 15pp, English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1357 AAGCGCTGCAGGAATAC 1373
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85US-00689013.
85US-00102742.
87US-00106232.
91US-00660160.
            BP.
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            AAF79852 standard; DNA; 17
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Best Local Similarity
Matches 15; Conserv
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11-APR-1985;
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                                                                                                                                                                               Synthetic
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                                          AAF79852
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                                                                                                                                                     and polymucleotides encoding them. The invention relates to a method of identifying candidate therapeutic agents to treat body weight disorder. The method involves providing a cell which expresses a mammalian Obs on the cell surface, binds leptin, the cell harbouring a reporter construct comprising a sequence encoding a reporter protein, contacting the cell with a test compound and measuring the expression of the reporter protein in the presence of the test compound. The method is useful to identify an agent, preferably a small molecule or antibody for the treatment of body seight disorders such as obesity, cachexia, and anorexia. The present DNA sequence is a PCR primer which is used for amplifying mouse Obs genomic DNA. This sequence is used in the exemplification of the invention
                                                                                                                                              The present invention relates to novel obese (Ob) receptor (ObR) proteins and polynucleotides encoding them. The invention relates to a method of
                                                                Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse, obese receptor; ObR; receptor; body weight disorder; obesity; cachexia; anorexia; anorectic; anabolic; immunomodulator; PCR; primer;
                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mouse Ob receptor (ObR) gene amplifying forward PCR primer #3.
                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
lve 0; Mismatches 2; Indels
                      White DW;
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                                                                                                                                                                                                                                                                                              Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                      Culpepper JA,
                                                                                                                         Example, Col 119; 110pp; English.
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95US-00566622.
95US-00569485.
95US-00570142.
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96US-00599455.
96US-00638524.
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(MILL-) MILLENNIUM PHARM INC.
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les 15; Conservative
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                      Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                 reporter protein.
                                           WPI; 2002-535640/57.
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                      Tartaglia LA,
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Matches
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Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         anorexia; cachexia; acquired immune deficiency syndrome; cytostatic;
AIDS-related wasting; cancer-related wasting; metabolic; anti-HIV;
immunomodulator; human immunodeficiency virus; mouse; PCR; primer; ss.
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                         Example; Col 121; 110pp; English
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95US-00566622.
95US-0056485.
95US-00570142.
95US-00583153.
96US-00598545.
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Local Similarity 88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15; Conservative
                                                                                                 of reporter protein.
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08-DEC-1995;
11-DEC-1995;
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22-JAN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing food intake in a mammal having a low body weight disorder suc as anorexia, involves administering to the mammal a soluble polypeptide comprising the extracellular domain of an obesity receptor protein.
                                      The invention relates to obesity receptor (ObR) protein and its corresponding nucleic acid. The invention also relates to a method for the diagnosis and treatment of body weight disorders. The method is useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, acquired immunodeficiency syndrome (ADS)-related wasting or cancer-related wasting. The present sequence is a PCR primer used for amplifying mouse ObR gene. This sequence is used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for
                                                                                                                                                                                                                                                                                                                                                                                anorexia; cachexia; acquired immune deficiency syndrome; cytostatic; AIDS-related wasting; cancer-related wasting; metabolic; anti-HIV; immunomodulator; human immunodeficiency virus; mouse; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to obesity receptor (ObR) protein and its corresponding nucleic acid. The invention also relates to a method f
the diagnosis and treatment of body weight disorders. The method is
                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                       receptor; ObR; body weight disorder; therapy; food intake;
  extracellular domain of an obesity receptor protein.
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                                                                                                                                                                      Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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                        63; 114pp; English.
                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
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95US-00566622.
95US-00570142.
95US-00583153.
96US-0059855.
96US-00598545.
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                                                                                                                                                                       Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                     1 CACTATTTGCCCTTCAG
                                                                                                                                                                                                                                                                                       AAD42339 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                the invention
    comprising the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tartaglia LA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
22-JAN-1996;
03-SEP-1996;
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                          Example; Col
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                                                                                                                                                                                                                                                                      RESULT 303
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                   Gaps
useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, cachexia, acquired immunodeficiency syndrome (AIDS)-related wasting cancer-related wasting. The present sequence is a PCR primer used fo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:1895.
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                                                                                                                                                                                               Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                  Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 1895; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hanzel DK,
                                                                                                                                                                                                                                                                                                          919
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2000US-0234687P.
2000US-0236359P.
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2001WO-US000661.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
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05-FEB-2001; 2001US-0266860P
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                                                                                                           amplifying mouse ObR gene
                                                                                                                                                                                                         Ouery Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-179446/23.
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30-JAN-2001;
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expressing the proteins. The Hopkin-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production as secuences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                Gaps
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protein variants having desired phenotypic improvements, and for
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                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 7 C; 4 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                          ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                93 GAGAGTGGGCAGGTCCT 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABN07493 standard; DNA; 17 BP.
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2001WO-US000664
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30-JAN-2001; 2001WO-US000668
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Best Local Similarity
Matches 15; Conserv
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The present invention describes a human genome-derived myosin-like

C protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1

C can be used in gene therapy and vaccine production. The hGDMLP-1

C mucleic acids can be used as probes to detect, characterise and quantify

mucleic acids in samples, as amplification substrates, to

hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hGDMLP-1

protein variants having desired phenotypic improvements, and for

c protein variants having desired phenotypic improvements, and for

c sxpressing the proteins. The hGDMLP-1 proteins or polypeptides may be

c used as immunosens to raise antibodies that specifically recognise hGDMLP-

c l proteins, as standards in assays used to determine the concentration

and/or amount specifically of hGDMLP-1 proteins, as specific biomolecule

and/or amount specifically of hGDMLP-proteins, as specific biomolecule

c apture probes for surface-enhanced laser desorption ionisation, as

therefore associated with the expression of hGDMLP-1

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

colynucleotide sequence senceding hGDMLP-1 may be used for diagnosing a

consideral muscle disorders. hGDMLP-1 may be used for diagnosing a

consideral muscle disorders. hGDMLP-1 may be used for the sequence of the specification of the present invention. N B.

The present sequence data for this patent did not form part of the printed

specification, but was obtained in electronic format directly from WIPO

c at ftp.wipo.int/pub/published_pcr_sequence
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; 88.
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specific biomolecule capture probes for surface-enhanced laser
                    desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                 Disclosure; SEQ ID NO 7485; 214pp; English.
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    or as
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Matches
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                                                                                                                                                                                                                                                                   The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specific blomclecule and/or amount specifically of hGDMLP proteins, as specific blomclecule capture probes for surface-enhanced laser desorption indisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 proteins, and in vaccines or for replacement therapy. The production, and in vaccines of replacement therapy. The can associated with the expression of hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. hGDMLP-1 sequence date for this patent did not form part of the printed of the present directly from WIPO the present directly with the directly meant directly directly meant directly from wIPO the present directly with the present directly wIPO the directly with the present directly wIPO the directly wIPO 
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                                                                                                       Shannon ME;
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                                                                                                       Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 6 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                       Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 8568; 214pp; English
                                                                                                         Hanzel DK,
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 30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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                                                                                                       Gu Y, Ji Y, Penn SG,
                                                                                                                                         WPI; 2002-179446/23.
                                                                      (AEOM-) AEOMICA INC
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify can call the samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 proteins as a standard phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be captured by a standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as tendancial in partients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration and skeleral muscle disorders, hGDMLP-1 may be used for diagnosing a clasorder associated with the expression of hGDMLP-1, in particular heart can skeleral muscle disorders, hGDMLP-1 is localised to chromosome 2.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed capture production, but was obtained in electronic format directly from WIPO cat fip.whpo.int/pub/published_pct_sequence
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2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
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30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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2000US-0236359P.
2000GB-00024263.
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30-JAN-2001; 2
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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:9688.

(first entry)

29-MAY-2002

ABN09696;

ABN09696 standard; DNA; 17 BP.

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ABN09696/c
                                    The present invention describes a human genome-derived myosin-like protein 1 (NGDMLP-1). The protein and polymuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiancy in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 in particular heart addisorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromsome 22.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Shannon ME;
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 skeletal muscle disorder; amplicon; screening; ss.
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2001WO-US000663.
2001WO-US000663.
2001WO-US000665.
2001WO-US000666.
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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2000US-0236359P.
2000GB-00024263.
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                                                                        WO200192524-A2.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
                                        Homo sapiens
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30-JAN-2001; 2001WO-US000661. 30-JAN-2001; 2001WO-US000662. 30-JAN-2001; 2001WO-US000663.

30-JAN-2001; 2001WO-US000664. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000666. 30-JAN-2001; 2001WO-US000667.

2000US-0234687P. 2000US-0236359P.

21-SEP-2000; 27-SEP-2000; 04-OCT-2000;

2000GB-00024263

25-MAY-2001; 2001WO-US016981

WO200192524-A2.

06-DEC-2001.

Homo sapiens

Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

Ji Y, Penn SG,

Gu Y,

WPI; 2002-179446/23.

(AEOM-) AEOMICA INC.

30-JAN-2001; 2001WO-US000669. 30-JAN-2001; 2001WO-US000669. 30-JAN-2001; 2001WO-US000670. 55-FBB-2001; 2001US-0266860P.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cancel as probes to detect, characterise and quantify mucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for capressing the proteins. The hGDMLP-1 proteins or polypeptides may be concent specially recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule captures probes for surface-enhanced laser desorption ionisation, as therapoutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The colloquet associated with the expression of hGDMLP-1, in particular heart of shorted associated disorders. hGDMLP-1 is localised to chromosome 22.

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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Gaps

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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels

270 GAAGAAGCCAAGAAGAA 286

1 GAGGAAGCCAAGAAGGA 17

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RESULT 309

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                                                                                                                                                                                                                                                                                                                   Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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              Score 13.8; DB 1;
Pred. No. 1.9e+02;
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Query Match
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27-SEP-2000;
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production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
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                                                                                                                                                       Sequence 17 BP; 2 A; 9 C; 3 G; 3 T; 0 U; 0 Other;
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                                                                                                                       at ftp.wipo.int/pub/published_pct_sequence
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2000US-0236359P.
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Best Local Similarity
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protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.
The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
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                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 8 A; 4 C; 5 G; 0 T; 0 U; 0 Other;
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
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The present invention describes a human genome-derived myosin-like

C Toan be used in gene therapy and vaccine production. The hGDMLP-1

C I can be used in gene therapy and vaccine production. The hGDMLP-1

C nucleic acids can be used as probes to detect, characterise and quantify

C nucleic acids in samples, as amplification substrates, to

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hCDMLP-1

C protein variants having desired phenotypic improvements, and for

C expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

C used as immunospens to raise antibodies that specifically recognise hGDMLP

C and/or amount specifically of hGDMLP proteins, as specific biomolecule

C capture probes for surface-enhanced laser desorption industrion, as

C therapeutic supplement in parients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

C production, and in vaccines or for replacement therapy. The

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C production and in vaccines or for replacement therapy. The

C production and in vaccines or for replacement therapy. The

C disorder associated with the expression of hGDMLP-1, in particular heart

C The present sequence represents an oligomer used in the screening of the

C The present sequence represents an oligomer used in the screening of the

C The present sequence represents an oligomer used in the screening of the

C The present sequence appresent invention. N.B.

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                                                               New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                Disclosure; SEQ ID NO 8664; 214pp; English.
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2001WO-US000664.
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                    WPI; 2002-179446/23.
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30-JAN-2001;
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ABN08669
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2001WO-US000662. 2001WO-US000663. 2001WO-US000664.

30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001;

2001WO-US000665 2001WO-US000666 2001WO-US000667 2001WO-US000668 2001WO-US000669

2001WO-US000670

30-JAN-2001; 30-JAN-2001;

30-JAN-2001;

05-FEB-2001; 2001US-0266860P

2000US-0236359P. 2000GB-00024263. 2001WO-US000661.

27-SEP-2000; 04-OCT-2000; 30-JAN-2001;

2000US-0234687P

25-MAY-2001; 2001WO-US016981

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 provided initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration disorder associated with the expression of hGDMLP-1 may be used for diagnosing a closure represente an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO can fight.
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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30-JAN-2001; 2001WO-US900669.
30-JAN-2001; 2001WO-US900669.
55-FBB-2001; 2001US-02668609
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2001WO-US000665
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Best Local Similarity 88.2%;
Marches 15; Conservative
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protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific blomolecule and/or amount specifically of hGDMLP proteins, as specific blomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production with the expression of hGDMLP-1, in particular heart alsorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B.

The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO.

at ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon ME;
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 1 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                            Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 2643; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                         Hanzel DK,
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                       Ji Y, Penn SG,
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ID ABNO
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1 CTGGAGGAAGCCAAGAA 17

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as the concentration and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorders associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the man of the contraction of the present invention. N.B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                   Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8660.
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2000US-0234687P.
2000US-0236359P.
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2001WO-US000666
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27-SEP-2000;
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ631212)
                                                                                                                                                        Human, KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; se.
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                                                                                                                             Human KTOM1a portion (ABQ63232) probe # 449.
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2001WO-US000662.
2001WO-US000663.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
2001WO-US000670.
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28-AUG-2001; 2001US-0315676P.
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                               ABQ63736 standard; DNA; 17
                                                                                              (first entry)
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30-JAN-2001;
30-JAN-2001;
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                                                               ABQ63736;
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RESULT 316
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Gaps

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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels

Query Match
Best Local Similarity 88.2
Matches 15; Conservative

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Gaps

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0.8%; Score 13.8; DB 1; Length 17; 18.2%; Pred. No. 1.9e+02; ve 0; Mismatches 2; Indels

88.2%;

Query Match 0.8 Best Local Similarity 88.2 Matches 15; Conservative

267 CTAGAAGAAGCCAAGAA 283

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1 CTACTCCCAGCTGGAGA 17

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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
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                                                                                                                                                                    Human; KTOM1a; KIOM1; kidney tumour overexpressed membrane; cytostatic;
gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung;
kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                  Human KTOMla portion (ABQ63232) probe # 447
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                             ABQ63734 standard; DNA; 17 BP
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
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30-JAN-2001; 2001WO-US000670.
23-MAY-2001; 2001US-00864761.
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2000GB-00024263.
2001WO-US000661.
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                                                                                                    (first entry)
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04-OCT-2000;
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                                                                   ABQ63734;
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RESULT 317
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan
                                                                                                                                                                                                                                     Human, KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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the nt 1-1001 portion of human KTOM1a (ABQ63232)
                                                                                                                                                                                                          Human KTOM1a portion (ABQ63232) probe # 445.
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2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
2001WO-US000667.
522 ATCGACTCCCTGCTGGA 538
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2001WO-US000670.
2001US-00864761.
2001US-0315676P.
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2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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                                                                                                             ABQ63732 standard; DNA; 17 BP
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                                                                                                                                               ABQ63732;
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Mismatches

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                                                                                                      nucleic
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Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOMI which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOMIa (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                   Human; KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                                Human KTOMla portion (ABQ63232) probe # 446.
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          GCATCGACTCCCTGCTG 536
                                                                                  ABQ63733 standard; DNA; 17 BP.
                             1 ścarczacreczaście 17
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2001WO-US000664.
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2001WO-US000666.
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2001WO-US000662
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2001US-00864761
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2000GB-00024263
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04-OCT-2000;
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        520
                                                                                                       ABQ63733;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zhang J;
                                                             RESULT 319
                                                                        ABQ63733
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Best Local Similarity

Query Match

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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
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                                                                                                                                                                                                                                                                                                                                                                                                              Human; KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                             Human KTOMla portion (ABQ63232) probe # 448.
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  537
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2001WO-US000668.
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28-AUG-2001; 2001US-0315676P.
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521 CATCGACTCCCTGCTGG
                                                      carcracreceaecree
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30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
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                                                                                                                                          RESULT 320
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Length 17;

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                                                                                                                                                                                                                                                                                   Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic;
gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung;
kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
               Gaps
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0
88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2; Indels
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30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
                                               523 TCGACTCCCTGCTGGAG 539
                                                                             1 rcracrcccaccrccac 17
                                                                                                                                                             ABQ63738 standard; DNA; 17 BP
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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2001US-0315676P
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                15; Conservative
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 Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
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04-OCT-2000;
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                                                                                                                                RESULT 321
                Matches
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Seguence 17 BP; 4 A; 7 C; 4 G; 2 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                  Human, KTOMIa; KTOWI; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                             Gaps
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                             Indels
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Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
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2000US-0236359P.
2000GB-00024263.
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2001US-00864761.
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                                                            526 ACTCCCTGCTGGAGAAC
                                                                               1 ACTCCCAGCTGGAGACC
                                                                                                                                                           ABQ64165 standard; DNA; 17
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     Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                  RESULT 322
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ABV79992;
                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein (HTPL, see ABV7875) to ABV88519 to ABB88510. HTPL
has two isoforms, with a few single base pair differences between the
two isoforms, with a few single base pair differences between the
two isoforms, with a few single base pair changes introduces a premature stop
codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
shares an overall structure organisation with the Patched protein. The
shared structural features strongly imply that HTPL plays a role similar
to that of Patched, and is a potential tumour suppressor. HTPL see
important in regulating male germ cell development, and the HTPL gene was
manufacture of a medicament for treatment or prevention of
therapy and manufacture of a medicament for treatment or prevention of
such disorder associated with decreased expression or activity of human
the cental liver, bone marrow, brain, kidney, lung, placental, adult and
forther and infertal muscle or colon function. HTPL proteins and nucleic acids are
clinically useful diagnostic markers and potenial therapeutic agents for
male infertility and cancer. The present oligonucleotide was used in an
example from the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
                                                                                                                                                                                                                                                                                                                                                      Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; human elgerm cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                                    Gaps
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0
 Length 17;
                                    Indels
 Score 13.8; DB 1;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                   Human HTPL scanning oligonucleotide SEQ ID 749.
                                    0; Mismatches
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30-JAN-2001, 2001WO-US000668.
30-JAN-2001, 2001US-US00669.
33-MAY-2001, 2001US-00864761.
09-OCT-2001, 2001US-0327898P.
Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                       ABV79503 standard; DNA; 17
                                                                         1203 GTCACCACGGTGGCTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
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                                                                                                                                                                                                                                          ABV79503;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zhan J;
                                                                                                                                                                    RESULT 323
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The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop two. One of the single base pair changes introduces a premature stop shares an overall structure organisation with the Patched protein. The shared structural features strongly imply that HTPL plays a role similar cannot of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was mapped to human chromosome 10p12.1. HTPL and its coding sequence are canseful for diagnosing a disorder caused by mutation in HTPL, and in the therapy and manufacture of a medicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and cotal liver, bene matrow, brain, kidney, placenta, prostate, colinically useful diagnostic markers and potenial therapeutic agents for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis, adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                                                                                                                            Gaps
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                                                               Length 17;
                                                                                                                            Indels
                                               Score 13.8; DB 1;
Pred. No. 1.9e+02;
A. Mismatches 2;
Sequence 17 BP; 4 A; 5 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human HTPL scanning oligonucleotide SEQ ID 1238.
                                                                                                                            0; Mismatches
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; 2001WO-US000669.
; 2001US-00864761.
; 2001US-0327898P.
                                                         0.8%;
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2001WO-US000665.
2001WO-US000667.
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                                                                                                                                                                                            522 ATCGACTCCCTGCTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                      ABV79992 standard; DNA; 17
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                                                                                              Best Local Similarity 88.2
Matches 15; Conservative
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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09-OCT-2001;
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The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL has two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPL-S (for short) compared to HTPL-I (L for long). HTPL stares an overall structure organisation with the Patched protein. The shares an overall structure organisation with the Patched protein. The char of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ cell development, and the HTPL gene was important in regulating male germ cell development, and the HTPL gene was useful for diagnosing a disorder caused by mutation in HTPL, and in therapy and manufacture of a medicament for treatment or prevention of the suppersor associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
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                                                                                                                                                                                                                                                                                                                                                                                                                      Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
male infertility and cancer. The present oligonucleotide was used in an
                                                                                                                         Gaps
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                                                                                        Length 17;
                                                                                    Score 13.8; DB 1; Length 1
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                     Sequence 17 BP; 2 A; 5 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                       Human HTPL scanning oligonucleotide SEQ ID 748.
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                                                                                                                                                              1273 TCTTTGACTCTGATCCC 1289
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2001MO-US000667.
2001MO-US000668.
2001MO-US000669.
2001US-00864761.
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                                                                                          0.8%;
                                                                                                                                                                                                                                                                                     ABV79502 standard; DNA; 17
                         example from the invention
                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                        Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                      RESULT 325
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The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, teumour angiogenesis, diabetic retinopathy, macular degeneration, neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, sturge where syndrome, kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu syndrome, ieukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour angiogenesis is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potenial therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnezry; cancer; lymphoma; Ening's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ERG hammerhead ribozyme target sequence, Seq ID No 876.
                                                                                                                                                 0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
trive 0; Mismatches 2; Indels
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                                                                                                              G; 3 T; 0 U; 0 Other
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                                                                                                                                                                                                                                        521 CATCGACTCCCTGCTGG 537
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                                                                                                              Sequence 17 BP; 3 A; 6 C; 5
                                                                                                                                                                                                                                                                     CAGCGACTCACTGCTGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-APR-2002 (first entry)
                                                                                                                                                          Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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ABK18229
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cc syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG. by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies conditions suitable for the treatment. Leukaemia or tumour conditions with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a ccell, by contacting (I) with RNA, in the presence of a divalent conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically contacting genes that share homology with ERG gene or ERG fusion genes. ABK17354-ABK22719 represent nucleic acids, including antisense and cargamatic nucleic acid molecules which regulate expression of ERG, and carated PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antibodies which selectively bind mammalian Ob receptors and inhibits the binding of leptin to the mammalian Ob receptor, useful for diagnosing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse, Ob receptor, ObR, leptin, body weight disorder, drug screening, gene therapy, obesity, cachexia, anorexia, anorectic, anabolic, PCR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mouse Ob receptor genomic DNA amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 13.8; DB 1; Length 17; 12.4%; Pred. No. 1.9e+02; ve 1; Mismatches 2; Indels
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95US-00583153.
96US-00599455.
96US-00638524.
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97US-00864564
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                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 82.4
nes 14; Conservative
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CULPEPPER J A.
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28-MAY-1997;
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28-DEC-1995;
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Matches
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   chemotherapy treatment. (I) is useful for reducing ERG activity in a ERG gene, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically trangeting genes that share homology with ERG gene or ERG fusion genes. ABK1754-ABK22719 represent mucleic acids, including antisense and enzymatic nucleic acid molecules which regulate expression of ERG, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antidarthritic; antipsoriatic; virucle; osteopathic; vulnerary; cancer; lymphome; Ewing's sarcome; melanome; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucome; myopic degeneration; arthritis; verruca vulgaris; angiofibrome of tuberous selerosis; port-wine stain; wound healing; surge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
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                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jarvis T, Von Carlowitz I, Mcswiggen JA, Mclaughlin F, Randi AM;
                                                                                                                                                                                                                                                                                                                  ;
0
                                                                                                                                                                                                                                                                        0.8%; Score 13.8; DB 1; Length 17; 32.4%; Pred. No. 1.9e+02; ved 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ERG Amberzyme target sequence Seq ID No 1782.
                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 12 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                   related PCR primers of the invention
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                                                                                                                                                                                                                                                                                                                                                      1504 GCCCCAGCCTCCAGGCC 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABK19135 standard; RNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                          1 GCCCCACCCUCCAGCCC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16-MAY-2001; 2001WO-US015866.
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                                                                                                                                                                                                                                                                                            Local Similarity 82.4%;
hes 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC. (GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-082995/11.
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                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 327
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Mouse Ob receptor genomic DNA amplifying forward PCR primer #3.
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                                                                                                                                                            Seguence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                   919
                                                                                                                                                                                                                                                                                                                                                                                  95US-00562663.
95US-00566622.
95US-00570142.
95US-00583153.
96US-0059855.
96US-00598545.
                                                                                                                                                                                                            1 CACTATITGCCCTTCAG 17
                                                                                                                                                                                                                                                 AAD38271 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                      98US-00137132
                                                                                                                                                                                                                                                                                                                                                                                                                                      97US-00864564
                                                                                                                                                                                                     660 CACTACCTGCCCTTCAG
                                                                                                                                                                                                                                                                           (first entry)
treating weight disorders.
                                                                                                                                                                         Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TARTAGLIA L A.
TEPPER R I.
CULPEPPER J A.
WHITE D W.
                                                                                                                                                                                                                                                                                                                                             US6380363-B1
                                                                                                                                                                                                                                                                                                                                                                      19-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                      28-MAY-1997;
                                                                                                                                                                                                                                                                            10-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                08-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                       11-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                              28-DEC-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                           26-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                 03-SEP-1996
                                                                                                                                                                                                                                                                                                                                                         30-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                   22-JAN-1996
                                                                                                                                                                                                                                                                                                                   primer; 88.
                                                                                                                                                                                                                                                              AAD38271;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (TART/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (WHIT/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CULP/
                                                                                                                                                                                                                                    RESULT 329
                                                                                                                                                                                                                                           AAD38271
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The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ObR) and inhibit the binding of leptin to the mammalian Ob receptors (ObR) sequences are novel receptor proteins that participate in the control of mammalian body weight. The antibodies of the invention may be used to detect of the receptor in a biological sample the invention may be used to detect of prognostic technique in which patients may be tested for abnormal amounts of Ob receptors. They may be ustinised as a part of diagnostic or prognostic technique in which cutilised in conjunction with for example, compound screening schemes for the evaluation of the effect of test compounds on expression and/or activity of the Ob receptor gene product. The antibodies can be used in conjunction with the gene therapy rechniques, for example, to evaluate conjunction with the gene therapy rechniques, for example, to evaluate introduction into the patient. They may be used in the method for the introduction into the patient. They may be used in the method for the conjunction of abnormal Ob receptor activity and can be used for drug disorders including but not limited to obesity, cachexia and anorexia. The present DNA sequence is used to the exemplification of mouse ObAR genomic DNA. This sequence is used in the exemplification of Antibodies which selectively bind mammalian Ob receptors and inhibits the binding of leptin to the mammalian Ob receptor, useful for diagnosing and treating weight disorders. WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ative 0; Mismatches 2; Indels Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other; WNV Amberzyme substrate SEQ ID NO 5939. Example; Col 62; 108pp; English. 919 1 CACTATTTGCCCTTCAG 17 :936/c ACN05936 standard; RNA; 17 BP 19-OCT-2001; 2001WO-US048350 660 CACTACCTGCCCTTCAG 22-APR-2004 (first entry) Conservative Amberzyme; Zinzyme; ss WPI; 2002-413726/44. Local Similarity nes 15; Conserv West Nile Virus WO200268637-A2. 06-SEP-2002. ACN05936; Query Match Matches RESULT 330 ACN05936, ð 원 The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ODR) and inhibit the binding of leptin to the mammalian Ob receptor. Obs sequences are novel receptor proteins that participate in the control of mammalian body weight. The antibodies of the invention may be used to detect of Ob receptor in a biological sample and utilised as a part of diagnostic or prognostic technique in which patients may be tested for abnormal amounts of Ob receptors. They may be televantation with, for example, compounds screening schemes for the evaluation of the effect of test compounds on expression and/or activity of the Ob receptor gene product. The antibodies can be used in conjunction with the gene therapy techniques, for example, to evaluate conjunction with the gene therapy techniques, for example, to evaluate introduction into the patient. They may be used in the method for their introduction into the patient. They may be used in the method for the conjunction of abnormal Ob receptor activity and can be used for drug conjuscion of abnormal ob receptor activity and can be used for drug conjuscion into the patient of and/or the treatment of body weight conjuscion of Abnormal ob receptor activity and can be used for drug conjuscional including but not limited to obesity, cachexia and anorexia. The present DNA sequence is a PCR primer which is used for amplifying the invention. .; 0 Mouse; Ob receptor; ObR; leptin; body weight disorder; drug screening; gene therapy; obesity; cachexia; anorexia; anorectic; anabolic; PCR; Gaps ö 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; cive 0; Mismatches 2; Indels

20-OCT-2000; 2000US-0242411P.

(RIBO-) RIBOZYME PHARM INC

(BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

Mcswiggen JA;

Blatt L,

WPI; 2002-706994/76.

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Gaps

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Gaps

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (MNV). The nucleic acid molecules are useful for treating a condition related to MNV infection e.g. pancreatitis, encaphalitis, wycarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least the 2'-O-methyl modifications, phosphorothiade linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to nucleic acid molecules that modulate replication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid notecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningtis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17; 17.1%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WNV minus strand Amberzyme substrate SEQ ID NO 15011.
                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 0 A; 9 C; 0 G; 0 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                            7; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                   488 CTCGCCCTTCTACTTCT 504
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                                                                                                                                                                                                                                                                                                                                                            47.18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACN15008 standard; RNA; 17
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                                                                                                                                                                                                                                                                                                                                                                              8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      West Nile Virus
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                                                                                                                                                                                                                                                                                                                                        Query Match
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ACN15008
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                                                                                                                                                        of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' innverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
                                                                                                                                          invention relates to nucleic acid molecules that modulate replication
                      New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   wnv, west Nile Virus, antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 6 A; 4 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                   Claim 23; SEQ ID NO 5939; 495pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 23; SEQ ID NO 8394; 495pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1226 TTCTGACTCGGACGTTC 1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACN08391 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Blatt L, Mcswiggen JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for encephalitis, a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meniagitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1to 37080 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1to 37080 in the specification. The present sequence is that of a nucleic acid molecule of the invention
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nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WAV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                      , Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 58.8%; Pred. No. 1.9e+02; r.nel. 10; Conservative 5; Mismatches 2. T.nel.
                                                                                                                                                             Sequence 17 BP; 3 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WNV Hammerhead Ribozyme substrate SEQ ID NO 388.
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                                                                                                                                                                                                                                                                                 1227 TCTGACTCGGACGTTCC 1243
                                                                                                                                                                                                                                                                                                       ВБ
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                       ACN00398 standard; RNA; 17
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                                                                                                                             molecule of the invention
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                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                    RESULT 333
                                                                                                                                                                                                                                                                                                                                                                                                    ACN00398,
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                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                    wnv; west Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                  Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                   WNV minus strand DNAzyme substrate SEQ ID NO 14019.
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Sequence 17 BP; 5 A; 4 C; 5 G; 0 T; 3 U; 0 Other;
                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 23; SEQ ID NO 14019; 495pp; English
                                                                                                               1244
                                                                                                                                                                                                                                             ВЪ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-OCT-2001; 2001WO-US048350.
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                                        0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L.
                                                                                                             1228 CTGACTCGGACGTTCCT
                                                                                                                                   17 CTGAGTCGGACATTCCT
                                                                                                                                                                                                                                           ACN14016 standard; RNA; 17
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                                        Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amberzyme; Zinzyme; ss.
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(MCSW/) MCSWIGGEN J A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    West Nile Virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200268637-A2
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                                                                                                                                                                                                                                                                                   ACN14016;
                                                                                                                                                                                                            RESULT 334
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(first entry)

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New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                       virucide; neuroprotective; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; Amberzyme; Zinzyme; ss.
                                                                                                                            WNV Amberzyme substrate SEQ ID NO 6463.
ACN06460 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-OCT-2000; 2000US-0242411P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RIBO-) RIBOZYME PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
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                                                                                                                                                                                                                                                                                                   West Nile Virus.
                                                                                                                                                                                                                                                                                                                                           WO200268637-A2.
                                                                                    22-APR-2004
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                                          ACN06460;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, menigits, neurologic infection, hepatis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprises at least five ribose residues, at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                   WNV, West Nile Virus, antiinflammatory; cytostatic; hepatotropic; viruoide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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8.8%; Pred. No. 1.9e+02;
ve 5; Mismatches 2; Indels
                                                                                                                                                                                                                                                                          WNV minus strand Amberzyme substrate SEQ ID NO 15012.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 23; SEQ ID NO 15012; 495pp; English
1229 TGACTCGGACGTTCCTT 1245
                      1 UGAGUCGGACAUUCCUU 17
                                                                                                                                                ACN15009 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-OCT-2001; 2001WO-US048350.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                           Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 West Nile Virus
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                                                                                                                                                                                          ACN15009;
                                                                                                      RESULT 335
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                                                 The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis.

liver failure, hepatocallular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5 terminal nucleotides and a 3' and modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. 1.9e
0; Mismatches
Claim 23; SEQ ID NO 6463; 495pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              489 TCGCCCTTCTACTTCTG 505
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            molecule of the invention
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Matches 15, Conservative
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1228 CTGACTCGGACGTTCCT 1244

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ACN06460/c RESULT 336

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RESULT 339
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                                                                                                                                                                                                                                                                                                                              New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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            wnv, west Nile Virus, antiinflammatory, cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure, cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                   Claim 23; SEQ ID NO 1943; 495pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACN08392 standard; RNA; 17 BP.
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                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC. (BLAI/) BLAIT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-APR-2004 (first entry)
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Best Local Similarity 88.2
Matches 15, Conservative
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                                                                 Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                         (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                     WPI; 2002-706994/76.
                                                                                             West Nile Virus.
                                                                                                                       WO200268637-A2
                                                                                                                                                 06-SEP-2002
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis.

C encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The cucleic acid molecules further comprise at least five ribose residues, at least ten 2-0-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3-3' inverted abasic molecy. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 1750-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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8; Conservative
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(MCSW/) MCSWIGGEN J A.
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Best Local Similarity
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West Nile Virus.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatis, is uncephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAyyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5 terminal nucleotides and a 3' end modification of a 3'.3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                              New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                      Claim 23; SEQ ID NO 5388; 495pp; English
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
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Matches 15; Conservative
Blatt L, Mcswiggen JA;
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THE STATE OF STATE OF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encophalitis, mayocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, least three of the 5 terminal nucleotides and a 3 end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed; however, SEQ ID No 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                        New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 23; SEQ ID NO 11838; 495pp; English.
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                                20-OCT-2000; 2000US-0242411P.
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                             RIBO-) RIBOZYME PHARM INC.
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MCSWIGGEN J A.
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(MCSW/)
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of hammerhead, inoxyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least these of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tumour suppression related human fukutin oligo SEQ ID No 57.
                                                                                                                                                                                                                                                                                               0.8%; Score 13.8; DB 1; Length 17; 2.9%; Pred. No. 1.9e+02;
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           Claim 23; SEQ ID NO 8976; 495pp; English.
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Best Local Similarity
Matches 9; Conserv
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting,

New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.

Disclosure; Page 40; 720pp; French.

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identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, cells containing the nucleic acids, cells containing the polypeptides, vectors containing the nucleic acids, cells containing the preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell cachizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these diseases. The polypeptide and antibodies can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression the large human fukutin oligonucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
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88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 88.2
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Claim 3; Page 29; 72pp; English.

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Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
               polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these both the polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; bardeal cancer; pancreatic cancer; cervical cancer; had and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cipplatin; methotrexxate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammatory bowel disease; infection; se.
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production of recombinant polypeptides. Any of the nucleic acids,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NFKB sub-unit modulating inozyme substrate #115.
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94US-00245466.
94US-00291932.
96US-00777916.
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DRAPER K G.
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15-AUG-1994;
23-DEC-1996;
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regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (1) is an incayme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a call, for treating a patient having a condition associated with the level of REL-A.

(1) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg-2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oscophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodices, REL-A-specific inhibitors or cherapies such as monoclonal antibodica, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, sethanomide, asthma, conficient, gene therapy application, gene pherapy applications, gene pherapy application, gene pherapy application, gene doxorubin, sethanomial aregulation and more despense or nifection. This sequen
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                                                                          an enzymatic nucleic acid molecule (I) which down
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                                                                                The invention
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US2002177568-A1.
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                                                                                                                                                                                                  Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            infection. This sequence represents the substrate of a novel enzymatic nucleic acid molecule
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82.4%; Pred. No. 1.9e+02;
iive 1; Mismatches 2; Indels
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                                                                                                                                 Mcswiggen J, Draper KG;
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Best Local Similarity 82.4<sup>†</sup>
Matches 14, Conservative
                                                         (STIN/) STINCHCOMB D T.
                                                                             MCSWIGGEN J.
                                                                                                                                                                       WPI; 2003-340953/32.
                                                                           (MCSW/) MCSWIGGEN J
(DRAP/) DRAPER K G.
                                                                                                                                   Stinchcomb DT,
       15-AUG-1994;
23-DEC-1996;
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a sequence encoding a subunit of nuclear factor candiguration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for cleaving RNA comprising a sequence of REL-A of the presence of a divalent cation, especially MG^2+. The enzymatic and the presence of a divalent cation, especially MG^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, correctal, brain, ossophageal, stomach, bladder, pancreatic, correctal, brain, ossophageal, stomach, bladder, pancreatic, correctal, brain, ossophageal, stomach, pladder, pancreatic, correctal, as monoclonal antibodies REL-Aspecific inhibitors or multidrug resistant cancer. The method involves use of other drug therapy including pacilizate, docetaxel, cisplatin, methotrexate, colophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, gene unclaid inflammatory alternatic alray inflammatory alternatic alray inflammatory powel disease or cycloctic and antises edated or rejection. The sequence represents the substrate of a n
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gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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94US-00245466.
94US-00291932.
96US-00777916.
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Gaps

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Indels

1.9e+02; 2;

82.4%; Pred. No. 1.96 ive 1; Mismatches

Best Local Similarity

(first entry)

03-JUN-2003

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Claim 3; Page 43; 72pp; English.
                                                                                                                Stinchcomb DT, Mcswiggen J,
                                                                             23-MAY-2001; 2001US-00864785
                                                                                                    STIN/) STINCHCOMB D T.
                                                                                                                                                                                                                            nucleic acid molecule
                                                                                                       MCSWIGGEN J.
                                                                                                                       WPI; 2003-340953/32.
                                                                                                          (DRAP/) DRAPER K G.
                                                                US2002177568-A1
                                                          Homo sapiens.
                                                                                          15-AUG-1994;
23-DEC-1996;
                                                                                   07-DEC-1992;
18-MAY-1994;
                                                                      28-NOV-2002
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14; Conservative
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ACA06298
Matches
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(I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG<sup>2</sup>+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung,
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                                                                                                                                                                                                                                                                                   oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glloma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cisplatin; methotrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatorid arthritis; restenosis; Grohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
                                                                                                                                         Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer;
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                                               NFKB sub-unit modulating DNAzyme substrate #24.
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94US-00245466.
94US-00291932.
96US-00777916.
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oseophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,
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                                                                                                                                                                                                                                                                                                                                                                          oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; lead and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; doctaxel; cisplatin; methotraxate; cyclophosphanide; doxorubin; fluorouracil carboplatin; edatrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatorid arthritis; restenosis; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel. disease; infection; ss.
                                                                                                                                                                                                                                                                                                                Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer;
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989 CACCAACAACCCCTCCC
                            1 CAACAACACCCCUUCC
                                                                                                                                               ACA06298 standard; RNA; 17
                                                                                                                                                                                                                                   (first entry)
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15-AUG-1994;
23-DEC-1996;
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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            gencitabine or radiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatory disease such arheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury (sentral nervous system (CNS) and myocardial), alonerulonephritis, sepsis, allergic airway inflammation, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; brain cancer; colorectal cancer; brain cancer; coesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; had and neck cancer; varian cancer; melanoma; lymphoma; glloma; multidrug resistant cancer; REL-A-specific inhibitor; commonterapy; gazlitaxate; docetaxel; cisplatin; methotrexate; commonterapy; paclitaxate; docetaxel; cisplatin; delarexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; desthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; besity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonophritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate,
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                                                                                                                                                                                                                         Sequence 17 BP; 6 A; 8 C; 1 G; 0 T; 2 U; 0 Other;
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94US-00245466.
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96US-00777916.
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15-AUG-1994;
23-DEC-1996;
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regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a call, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG-2+. The enzymatic and antisonse nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stoomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug chemotherapy including pactitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cisplatin, anticitabine or radiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatory disease such a rejection, gene therapy applications, ischaemia/reperfusion injury (central nervous system (CNS) and myocardial), glomerulonaphritis, espensis, allergic airway inflammation, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic acid molecule.
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invention describes an enzymatic nucleic acid molecule (I) which down
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94US-00245466.
94US-00291932.
96US-00777916.
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hes 14; Conservative
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15-AUG-1994;
23-DEC-1996;
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94US-00245466. 94US-00291932. 96US-00777916.

92US-00987132

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23-MAY-2001; 2001US-00864785.
                                                                                                                                                                                                                                                                                                                                                                     (STIN/) STINCHCOMB D T. (MCSW/) MCSWIGGEN J.
                                                                           US2002177568-A1.
                                                                                                                                                                                                                                                              18-MAY-1994;
15-AUG-1994;
23-DEC-1996;
                           Homo sapiens.
                                                                                                                                                                                                                                       07-DEC-1992;
                                                                                                                                28-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                             (DRAP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADA99701
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                                                                                                                                                                                                                                                                                                                                                             The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NRKB), where (I) is an inozyme, G-leaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanomac, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therefore as monoclonal antibodies REL-A specific inhibitors or chemocherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, gachman, compacedial, gachman, co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                           Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This sequence represents the substrate of a novel enzymatic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 9 C; 4 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NFKB sub-unit modulating inozyme substrate #336.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Mismatches
                                                                                                    Stinchcomb DT, Mcswiggen J, Draper KG;
                                                                                                                                                                                                                                                                                                                        Claim 3; Page 30; 72pp; English.
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Best Local Similarity 82.4%;
Matches 14; Conservative
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(STIN/) STINCHCOMB D T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid molecule
                         MCSWIGGEN J.
DRAPER K G.
                                                                                                                                                         WPI; 2003-340953/32.
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                                                  (DRAP/)
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the inversion describes an enzymatic nucleic acid molecule (1) which down the inversion describes an enzymatic nucleic acid molecule is adopted to treat configuration. The enzymatic nucleic acid molecule is adopted to treat configuration. The enzymatic nucleic acid molecule is adopted to treat configuration. The enzymatic nucleic acid molecule is adopted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. Gene, in the presence of a divalent cation, especially MG-2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, corporate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer. melanoma, lymphome, glioma or multidrug resistant cancer. The method involves use of other drug certificates such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, coloritabine or radiation therapy. The enzymatic and antisense nucleic cacid molecules are also useful for treating inflammatory disease such a crejection, gene therapy applications, ischeamia/reperfusion injury celection, gene therapy applications, ischeamia/reperfusion injury celection, subject airway inflammation, inflammatory power disease or reference and entite and control carboplatin, carbo
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                                                                                                                                                                                                                                                                                                              Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes an enzymatic nucleic acid molecule (I) which down
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human MDZ3 scanning oligonucleotide SEQ ID 690.
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                                                                                                        Stinchcomb DT, Mcswiggen J, Draper KG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 3; Page 32; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1505 CCCCAGCCTCCAGGCCC 1521
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Best Local Similarity 82.44
Matches 14; Conservative
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                                                                                                                                                                                                                 WPI; 2003-340953/32.
DRAPER K G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA99701;
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EP1281758-A2
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                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is concoded at chromosome 7q22.1, MDZ4 is encoded at chromosome 6p21.3-22.2, MDZ7 is encoded at chromosome 6p21.3-22.2, MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 15q26.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3. MDZ4, MDZ7, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as
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         Cytostatic; immunostimulant, gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                            New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; Length 15; Conservative 0; Mismatches 2; Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human MDZ3 scanning oligonucleotide SEQ ID 1453
                                                                                                                                                                                                                                                                                                                                                                  Example 8; SEQ ID NO 690; 103pp; English.
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                                                                                                                                                              30-JUL-2002; 2002EP-00016874.
                                                                                                                                                                                          02-AUG-2001; 2001US-00922181.
                                                                                                                                                                                                                                            Shannon M, Gu Y, Nguyen C;
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                                                                                                                                                                                                                                                                     WPI; 2003-423107/40.
                                                                                                                                                                                                                   (AEOM-) AEOMICA INC.
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                                                                                  Homo sapiens
                                                                                                           EP1281758-A2
                                                                                                                                      05-FEB-2003.
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is proteins and their coding sequences: MDZ3, MDZ4, MDZ7. MDZ12. MDZ3 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p2. MDZ1, and MDZ12 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p2. MDZ1, encoded in the MDZ1, encoded in the MDZ1, encoded in the manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ1, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as
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zinc finger protein; MDZ3; MDZ4; MDZ1; MDZ12; chromosome 7q22.1;
chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 7 C; 5 G; 1 T; 0 U; 0 Other;
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                                                                                  30-JUL-2002; 2002EP-00016874.
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                                                                                                                                                                    02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                 Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        developmental disorder; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-NOV-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-423107/40.
                                                                                                                                                                                                                                                               (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EP1281758-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-FEB-2003.
05-FEB-2003
                                                                                                                                                                                                                                                                                                                                                     Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB02413;
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WO200281494-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention
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                                                                                            (DRAP/) I
(ROBE/) I
                                                                                                                                     Blatt L,
                        (MACE/) (MCSW/) (MORR/) (PAVC/) (LEEP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                      proteins and their codding sequences: MD23, MD24, MD27, MD212. MD23 is proteins and their codding sequences: MD23, MD24, MD27, MD212. MD23 is encoded at chromosome 7g22.1, MD24 is encoded at chromosome 6p21.3-22.2, MD27 is encoded at chromosome 16p21.3-22.2, MD27 is encoded at chromosome 15g26.1. The MD23, MD24, MD27, and MD212 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for disgnosing or monitoring a disease acids can also be used as probes to detect and characterize gross alterations in MD23, MD27, or MD212. The nucleic acids can also be used as probes to detect and characterize gross alterations in MD23, MD27, or MD212 genetic locus. The probes are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus; HBV; RNA etability; RNA expression; RNA synthesis; antiennse; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degemerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                             New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                               useful in constructing microarrays for measuring gene expression. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                         proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
                                                                                                                                                                              present invention relates to novel human zinc finger-containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 3 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                 Example 8; SEQ ID NO 3399; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HCV DNAzyme substrate sequence #632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      464 GCTTGAGGAGTTCCTGA 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ściegadcagircciea 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD58046 standard; RNA; 17 BP
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08-JUN-2001; 2001US-0087478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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                           Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-SEP-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                     WPI; 2003-423107/40.
(AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hepatitis C virus.
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                           Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACD58046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 355
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes.

Inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes.

Inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and issues states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV branching or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amberzyme, G-cleaver ribozyme, deccy molecule, aptamer, HBV reverse transcriptase; Enhancer I region, viral replication, degenerative, disease state, HBV infection, HCV infection, cirrhosis, liver failure, hepatocellular carcinoma; hepatotropic, cytostatic, virucide, antiinflammatory; substrate; 88.
                                                                                                                                                                                                                                                                                                                                                                                                          Lee P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                          Mcswiggen J, Morrissey D, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 1 C; 7 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HCV DNAzyme substrate sequence #2161.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1, Page 245; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1400 TGTGGATGTTGCTTTTG 1416
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-SEP-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Roberts E;
                                      BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                          Macejak D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-229207/22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                         ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus
                                                                                                                                                                                                                                                                               DRAPER K.
                                                                                                                                                                                                   PAVCO P.
                                                                                                                                                                                                                                         LEE P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Draper K,
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stability; RNA expression; RNA synthesis; antisense;
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nes 15; Conserv
                                                                                                                                                   Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ROBERTS E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LEE P.
DRAPER
                                                                                                                                                                                         WO200281494-A1
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                                                                                                                                                                                                                               17-0CT-2002
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MORR/)
(PAVC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (DRAP/)
(ROBE/)
                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                            (BLAT/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MCSM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (LEEP/)
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the syntheeis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymas. DNAzymes, inozymes, zinzymes, and ecleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV BNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             present invention relates to nucleic acid molecules which modulate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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م
                                                                                                                                                                                                                                                                                                                                                                                                          Lee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                          Pavco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HCV minus strand DNAzyme substrate sequence #735.
                                                                                                                                                                                                                                                                                                                                                                                                          Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                            Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; Page 272; 387pp; English.
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                                                                                                                   08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
05-DEC-2001; 2001US-0337055P.
                                                               26-MAR-2002; 2002WO-US009187
                                                                                                   2001US-00817879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ilarity 52.9%;
Conservative
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                                                                                                                                                                                                                   RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                          Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                        MCSWIGGEN J. MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-229207/22
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Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                LEE P.
DRAPER K.
ROBERTS E.
                                                                                                                                                                                                                                                        MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                          Macejak
                                                                                                                                                                                                                                                                                                                PAVCO P.
                                                                                                                                                                                                                                     BLATT
                                                                                                     26-MAR-2001;
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                           17-0CT-2002
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                   (BLAT/) | (MACE/) | (MCSW/) | (MCSW/) | (PAVC/) | (LEEP/) | (DRAP/) | (CRAP/) | (CRAP/) | (ROBE/) | (ROBE/
                                                                                                                                                                                                                 (RIBO-)
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The present invention relates to nucleic acid molecules which modulate
the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes,
and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes,
inozymes, zinzymes, amberzymes, and G-cleaver ribozymes, DNAzymes,
cre nucleic acid decoy molecules and aptamers that bind to HBV reverse
transcriptase and/or HBV reverse transcriptase primer sequences, as well
transcriptase and/or HBV reverse transcriptase primer sequences, as well
cas oligonucleotides that specifically bind the Enhancer I region of HBV
DNA. The nucleic acids may be used to modulate the expression of HBV
compounds and/or potential therapies directed against HBV, and compounds
compounds and/or potential therapies directed against HBV, and compounds
compounds of the invention are useful for the treatment of degenerative and
disease states related to HBV and HCV infection, replication and gene
compounds. The present sequence represents a substrate for one of the HCV
carcinoma. The present sequence represents a substrate for one of the HCV
DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
DNAzyme; inozyme; zinzyme;
                           amberzyme, G-cleaver ribozyme, decoy molecule, aptamer;
HBV reverse transcriptase; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ď
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ۵,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pavco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP; 4 A; 4 C; 7 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen J, Morrissey
       enzymatic nucleic acid; hammerhead ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; Page 288; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17 Acceparations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-MAR-2001, 2001US-00817879.
08-UUN-2001, 2001US-00877478.
08-UUN-2001, 2001US-0296876P.
24-OCT-2001, 2001US-0335059P.
05-DEC-2001, 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                          Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; se.
                                                                                                                                        Murine oligonucleotide associated with tumour supression, SEQ ID 4884.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specifically cancer but also Alzheimer's disease and schizophrenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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88.2%; Pred. No. 1.9e+02;
Ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumour suppression/reversion associated nucleotide #50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 602; 738pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1551 GATCCTGCACTCTAACA 1567
                                   ACC67637 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                              (MOLE-) MOLECULAR ENGINES LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GATCCTGTACTCTAATA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB39727 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                          17-SEP-2002; 2002WO-IB004210.
                                                                                                                                                                                                                                                                                                                                                                                                             17-SEP-2001; 2001FR-00011979.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 88.2
Matches 15, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-333167/31.
                                                                                                                                                                                                                                                                                                      WO2003025176-A2
                                                                                                                                                                                                                                                                  Mus musculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Telerman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-DEC-2003
04-DEC-2003
                                                                                                     01-JUL-2003
                                                                                                                                                                                                                                                                                                                                         27-MAR-2003
                                                                  ACC67637;
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RESULT 358
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ADB39727/c
                    ACC67637
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New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.

Tuijnder M;

Telerman A, Amson R, WPI; 2003-441574/41.

(MOLE-) MOLECULAR ENGINES LAB

17-SEP-2002; 2002WO-IB004219. 17-SEP-2001; 2001FR-00011981.

WO2003040369-A2 Homo sapiens.

diagnosis.

15-MAY-2003

Disclosure; Page 37; 771pp; French.

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free invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of mucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as recombined the vectors, the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment or distributions or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and be proposed and or the nucleotides and polypeptides can be used for diagnosis and or proposed and pro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      tumour suppression; tumour reversion; apoptosis; virus resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and or prognosis of these diseases. The nucleotides and polypeptialso be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human tumour suppression/reversion-related DNA sequence SeqID484.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.8; DB 1; Length 1 Pred. No. 1.9e+02; 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 17 BP; 2 A; 10 C; 2 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADI47981
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Miller S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                 Nyce JW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 362
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ò
                                                                                                                                                                                                                                                     in the phenomena of tumour suppression, under treatsion, apoptosis and/or resistance to viruses. The invention may be useful for the development of compounds with a cytostatic, virucide, neuroprotective, nootropic or neuroleptic activity. The DNA sequences may be useful for the nootropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or maplifying nucleic actid, for example as one component of a gene chip, in virto as antisense reagents and for production of recombinant polypeptides. The invention may therefore be useful for preparation of planateuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. The prevention and/or caid sequence of the invention.

Specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                      New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiathmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                                                                                             This invention relates to novel isolated nucleic acid sequences involved
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense; lung dysfunction; nasal airway dysfunction;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human adenosine Al receptor antisense fragment no.34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lung inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                ftp.wipo.int/pub/publishedpct_sequences
                                                                                                                                                                                                                      Disclosure; SEQ ID NO 484; 30pp; French.
                                                                                                                        Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1567
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                                                                                               (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GATCCTGTACTCTAATA 17
                                               17-SEP-2002; 2002WO-IB004523.
                                                                       17-SEP-2001; 2001FR-00011980.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1551 GATCCTGCACTCTAACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABZ94171 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                               and transfected cells.
                                                                                                                        Telerman A, Amson R,
                                                                                                                                               WPI; 2003-313354/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
nes 15; Conserv
WO2003025177-A2.
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                         27-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABZ94171;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human;
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 361
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an entile lammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiachmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antisherory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine reducing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                                                                             Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
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                                                                                                                                                        Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human adenosine Al receptor antisense fragment no.910.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 9413; 872pp; English.
                                                                                                                                                            Katz E,
                                                                                                                                                                                             Shahabuddin S;
                                                                                                                                                            Sandrasagra A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1530 GCCCAGCCTCTCCCCGC 1546
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24-APR-2001; 2001US-0286137P.
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                                                                          (EPIG-) EPIGENESIS PHARM INC
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ABZ95047 standard; DNA; 17
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                                                                                                                                                                                                                                                                           WPI; 2003-229219/22.
                                                                                                                                                                                             Tang L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ubiquinone.
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Fosnaugh K;

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growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                             Novel enzymatic nucleic acid that down-regulates expression of
                                                                                                                                                                                                                                                           Blatt L, Chowrira B, Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 59; SEQ ID NO 1538; 317pp; English.
                                                                                                  05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                                 03-APR-2002; 2002WO-US010512
                                                                                                                                                                                                       (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                               WPI; 2003-058513/05
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17-0CT-2002
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Che the sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO can fire the. WIPO int/pub/published_pct_sequences
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                                                                                                                                                                                                                          Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma;
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                                                                                                     Aguilar D;
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                     Katz E, Pabalan J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 10289; 872pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human IKK-gamma substrate sequence #515.
                                                                                                  Li Y, Sandraваgra A, Ke
Tang L, Shahabuddin S;
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                                                 (EPIG-) EPIGENESIS PHARM INC
24-APR-2001; 2001US-0286137P
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                                                                                                                                                                              WPI; 2003-229219/22.
                                                                                                  Li Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200281628-A2
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                                                                                                                           Miller S,
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                                                                                                     Nyce JW.
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PTGDR),
IkappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermaticis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human IKK-
gamma substrate sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17; 58.8%; Pred. No. 1.98+02; ive 5; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 3 A; 6 C; 3 G; 0 T; 5 U; 0 Other;
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Matches 10; Conservative
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17-0CT-2002
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that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PrGDR),
KappaB kinase (IKK), or protein Kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, alergic rhinitis or atopic dermaticis). The
nucleic acids of the invention are also useful for down-regulating the
cypression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased calls or to detect the presence of
target RNA in a cell. The present RNA sequence represents a human PRR
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                                                                                                                                                                                                                 Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenoisis; astbina; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergic rhinitis; atopic dermatitis; Human IKK-gamma;
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                                                                                                                                                        Haeberli P, Mcswiggen J, Fosnaugh K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 8 A; 6 C; 1 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                               Claim 59; SEQ ID NO 3789; 317pp; English.
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                                                          05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL48380 standard; RNA; 17 BP.
                             03-APR-2002; 2002WO-US010512
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                                                                                                                         RIBO-) RIBOZYME PHARM INC.
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 substrate sequence.
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 17-0CT-2002
                                                                                                                                                       Blatt L,
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)

that down regulate the expression or inhibit the function of a receptor

for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PTGDR),

IKappaB kinase (IEKK), or protein Kinase PKR. The nucleic acids of the

invention are useful for treating: cerebrovascular accident, central

convention are useful for treating: cerebrovascular accident, central

nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,

lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,

restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune

cischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic

conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The

nucleic acids of the invention are also useful for down-regulating the

conditions of a target gene and as a diagnostic tool to examine genetic

drifts and mutations within diseased calls or to detect the presence of a

carman control of a target gene and as a diagnostic tool to examine genetic

carriers and mutations within diseased calls or to detect the presence of a

carman control of a target gene and set a diagnostic tool to examine genetic

carriers and mutations within diseased calls or to detect the presence of a

carman control of a target gene and set a diagnostic tool to examine genetic

carriers and mutations within diseased calls or to detect the presence of a

carman control of a target gene and set a diagnostic tool to examine genetic

carman control of a target gene and set a diagnostic tool to examine genetic

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carman control of a target gene and set a diagnostic tool and a target set and an and an and an addiagnostic tool and a target and an and an addiagnostic tool and a target and an a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                       Fosnaugh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human NOGO receptor amberzyme substrate sequence #40.
                                                                                                                                                                                                                                                                                                                          Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 2 A; 6 C; 3 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 59; SEQ ID NO 1913; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          receptor amberzyme; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 698 CTTCTTCTTCCCAAGT 714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 curcugcugucccaagu 17
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                                                                        05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
03-APR-2002; 2002WO-US010512.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 52.9%;
les 9; Conservative
                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM09485 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gamma substrate sequence.
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                                                                                                                                                                                                                                                                                                                          Chowrira B,
                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-058513/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200281628-A2
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                                                                                                                                                                                                                                                                                                                               Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Loc
Matches
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Ellis JH;

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contacting the cell with the novel nucleic acid molecule, an expression vector comprising a nucleic acid sequences (encoding at least the novel nucleic acid molecule in a manner that allows its expression), a mammalian cell including the expression vector and an enzymatic nucleic acid molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule is useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and leukaemia. The present sequence is a target region for the enzymatic nucleic acids of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, e.g. a sammerhead ribozyme, NH ribozyme, G-cleaver ribozyme, Zinzyme, DNAzyme, amberzyme, Inozyme or hairpin ribozyme. Also include are a mammalian cell including the novel nucleic acid molecule, reducing GRID activity in a cell by contacting the cell with the novel nucleic acid molecule, treating a patient having a condition associated with the level of GRID (e.g. tissus/graft rejection or leukaemia) by contacting the cell with the novel nucleic acid molecule, cleaving RNA of a GRID gene by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, antisense; bronchoconstriction, allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distresses syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ds.
                                                                                                                                                                                                                         New nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human adenosine Al receptor oligonucleotide fragment 34.
                                                                                                                           Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 13.8; DB 1;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                           Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                       Claim 4; SEQ ID NO 440; 74pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTCCCCCCTCTCGATCC 1555.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABD18019 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                        Carlowitz IV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 88.2 les 15; Conservative
CARLOWITZ I V. MCSWIGGEN J.
                                               (HAMB/) HAMBLIN P A. (ELLI/) ELLIS J H.
                                                                                                                                                                          WPI; 2003-829646/77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200285309-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-OCT-2002
                                                                                                                        Jarvis T,
                                                                                                                                                                                                                                                                                                          leukemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABD18019;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
  CARL/)
                          (MCSM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTGDR),
IKappa Kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
Iymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischemaia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human NOGO
receptor amberzyme substrate sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                  Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 88; GRID; Grb2-related with insert domain; hammerhead ribozyme;
NCH ribozyme; G-cleaver ribozyme; Zinzyme; DNAzyme; amberzyme; Inozyme
hairpin ribozyme; tissue rejection; graft rejection; leukaemia.
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                                                                                                                                                                                                                                                      Fosnaugh K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17;
70.6%; Pred. No. 1.9e+02;
ve 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 7 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                   Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human GRID mRNA substrate seguence #440.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 9; SEQ ID NO 880; 317pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1117 CCTTGCTGGAGCAGCTG 1133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADM54165 standard; mRNA; 17 BP
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                                                                                              05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                               03-APR-2002; 2002WO-US010512
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    70.68;
                                                                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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Best Local Similarity 70.6
Matches 12; Conservative
                                                                                                                                                                                                                                                 Chowrira B,
                                                                                                                                                                                                                                                                                                     WPI; 2003-058513/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (JARV/) JARVIS T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003134806-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              03-JUN-2004
17-0CT-2002
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                                                                                                                                                                                                                                                   Blatt L,
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RESULT 367

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Gaps ö

Length 17; 2; Indels

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                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoonstruction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, curfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypebtide associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung capression of a target polypeptide associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung capred containers, (b) the oligonucleotides, (c) and elivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention and allergie, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or maligant disease. The administered composition comprises oligo and is administered to reduce the amount of target polypeptide present in the lungs rhe pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies and/or surfactant hypoproduction are associated inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  with a disease or condition such as pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary bypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the braskdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                   얹
                                                                                                                                                                                                     Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted tnucleic acids associated with lung airway or lung dysfunction, and bronchodilating agent.
                                                                         Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human adenosine Al receptor oligonucleotide fragment 910.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 13.8; DE
Best Local Similarity 88.2%; Pred. No. 1.994
Matches 15; Conservative 0; Mismatches
                                                                              Katz E,
                                                                                                                                                                                                                                                                                                                                          Claim 15; SEQ ID NO 9413; 763pp; English.
                                                                         Li Y, Sandrasagra A, K.
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1530 GCCCAGCCTCTCCCCGC 1546
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                        (EPIG-) EPIGENESIS PHARM INC.
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                                                                                                                                                    WPI; 2003-093058/08.
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                                                                                                 Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABD18895;
                                                                           Nyce JW,
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This invention describes a novel composition (a) a first active agent, CC comprising oligonuclectides, effective for alleviating bronchoconstruction, respiratory tract inflammation, allergies and bronchoconstruction, respiratory tract inflammation, allergies and can bronchoconstruction, respiratory tract inflammation (b) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiafhammatory, antiafhammatory, antiafhammatory, antiafhammatory, antiafhammatory, antiafhammatory, or composition or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The composition and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies as the degradation of the target mRNA or to inflammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies and inflammation, respiratory distress syndrome, pain, cystic fibrosis, allergic rhintis, pulmonary thereses syndrome, pain, cystic fibrosis, allergic rhintis, pulmonary the reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that free adenosine into the system c. The reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
emphysema; chronic obstructive pulmonary disease; cancer; bronchitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted tnucleic acids associated with lung airway or lung dysfunction, and
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18.2%; Pred. No. 1.9e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 15; SEQ ID NO 10289; 763pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Katz E,
                                    pulmonary transplantation rejection; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            il Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1530 GCCCAGCCTCTCCCCGC 1546
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                                                                                                                                                                                                                                                                                                                                               23-APR-2002; 2002WO-US013143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (EPIG-) EPIGENESIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                 24-APR-2001; 2001US-0286036P.
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bronchodilating agent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-093058/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Li Y,
                                                                                                                                                                                                WO200285309-A2
                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                              31-0CT-2002.
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Miller S, '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17
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ID ADG6
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The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (ODR), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, cachexia, anorexia, bulimia, AIDS (acquired immune deficiency syndrome)-related and cancer-related wasting. The present sequence is mouse genomic bNA amplifying famj5312-derived PCR primer. This primer is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
AIDS-related wasting; cancer-related wasting; acquired immune deficiency syndrome; therapy; murine; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human; single nucleotide polymorphism; SNP; ss; primer.
                                                                                                                                                                                                                                                                                                                                       White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0'U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                       Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 8; SEQ ID NO 25; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              676
                                                                                                                                                        95US-00562663.
95US-00566622.
95US-00570142.
95US-00583153.
96US-00598455.
96US-00598455.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Primer of the invention #3999
                                                                                                                              2002US-00079625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-MAR-2002; 2002JP-00064373.
                                                                                                                                                                                                                                                                                                           (MILL-) MILLENNIUM PHARM INC
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                                                                                                                                                                                                                                                                                                                                        Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-050987/05.
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Best Local Similarity
                                                                     US2002182676-A1
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                                                                                                                                                                                                                                                                                                                                        Tartaglia LA,
                                                                                                                              19-FEB-2002;
                                                                                                05-DEC-2002
                                                                                                                                                                                        08-DEC-1995
                                                                                                                                                                                                      11-DEC-1995;
                                                                                                                                                                                                                                    22-JAN-1996
                                                                                                                                                                                                                                                 26-APR-1996
03-SEP-1996
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                                                                                                                                                                                                                                                                           28-MAY-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADK98279;
                                         Mus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (ObR), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, cachexia, anorexia, bulimia, AIDS (acquired immune deficiency syndrome) - related and cancer-related wasting. The present sequence is mouse genomic bNA amplifying familial derived PCR primer. This primer is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
                                                                                                prognosis; body weight disorder; obesity; cachexia; anorexia; bulimia; AIDS-related wasting; cancer-related wasting; acquired immune deficiency syndrome; therapy; murine; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Obese receptor gene, ObR gene, body weight regulation, diagnosis, prognosis, body weight disorder, obesity; cachexia, anorexia, bulimia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                       Mouse genomic DNA amplifying famj5312-derived forward PCR primer #3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse genomic DNA amplifying famj5312-derived forward PCR primer #2
                                                                                    Obese receptor gene; ObR gene; body weight regulation; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                            White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tepper RI, Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 8; SEQ ID NO 27; 112pp; English.
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                                                                                                                                                                                                                                                                           95US-00562663.
95US-00566485.
95US-00569485.
95US-00591142.
96US-00599455.
96US-00638224.
96US-00638224.
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                                                                                                                                                                                                                                                 19-FEB-2002; 2002US-00079625
                                                                                                                                                                                                                                                                                                                                                                                                                              (MILL-) MILLENNIUM PHARM INC
                          (first entry)
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                        US2002182676-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tartaglia LA,
                                                                                                                                                                                                                                                                           27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
                           11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                   03-SEP-1996;
28-MAY-1997;
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                                                                                                                                                                                                                     05-DEC-2002
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                                                                                                                                                                                                                                                                                                                                                                      26-APR-1996
ADG63002;
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689 GAGGCCTCACTTCTTCT 705
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                                                                                                                          1 GAUGACUCACUUCUUCU 17
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                                                                                                                                                                                                                                                                                                                                                                                                                18-DEC-2000; 2000US-00740332
                                                                                                                                                                                            ADI83386 standard; RNA; 17
                                                                                                                                                                                                                                        03-JUN-2004 (first entry)
                                                                                        9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                     BLATT L.
MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-031273/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ROBE/) ROBERTS E.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D.
                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                     Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                            US2003125270-A1
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                                                                                                                                                                                                                  ADI83386;
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                      sednence
                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                       (BLAT/)
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                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                    The present invention relates to a polynucleotide isolated from a human gene and is useful for detecting a single nucleotide polymorphism in a human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for
                                                                                                                                                                                                                                                    Gaps
                                                                Novel polynucleotide useful for PCR amplification along with two fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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0
                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pavco PA, Macejack
                                                                                                                                                                                  present sequence represents a primer of the invention
                                                                                                                                                                                                        Sequence 17 BP; 4 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                Claim 2; SEQ ID NO 7308; 2627pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID NO 2161; 198pp; English.
                      (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                            HCV DNAzyme substrate sequence #2161.
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                                                                                                                                                                                                                                                                          682
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 08-MAR-2002; 2002JP-00064373.
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                                                                                                                                                                                                                                                                                        17 CTGGCATTCAGCCTGCC
                                                                                                                                                                                                                                                                          666 CTGCCTTCAGCCTGCC
                                                                                                                                                                                                                                                                                                                                                         ADI84915 standard; RNA; 17
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                                                                                                                                                                                                                                                   15; Conservative
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ROBERTS E.
PAVCO P A.
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                                             WPI; 2004-093977/10
                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MACEJACK D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BLAT/) BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003125270-A1.
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                                                                                                                                                                                                                                                                                                                                                                                ADI84915;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (PAVC/) i
(MACE/) N
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the treatment of HCV infections, especially in combination with type interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                  0.8%; Score 13.8; DB 1; Length 17; 52.9%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                 Seguence 17 BP; 3 A; 5 C; 2 G; 0 T; 7 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roberts E, Pavco PA,
                                                                                                                                                                                                                                                                                               6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID NO 632; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HCV DNAzyme substrate sequence #632.
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                                                                                                                                                                                                             Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Shannon ME;
 Length 17;
                                 Indels
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                 1.9e+02;
hes 2;
0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 8661; Opp; English.
                                                                                                                                                                                                                                                                                        Human GDMLP-1 probe SEQ ID NO:8661
                                                                    93 GAGAGTGGGCAGGTCCT 109
                                                                                                                                                                                      BP.
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2001WO-US000665.
2001WO-US000666.
2001WO-US000666.
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2000US-0236359P.
2000GB-00024263.
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2001WO-US000662.
2001WO-US000663.
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2001WO-US000669
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                                                                                                   GAGAGAGCCAGGTCCT
                                                                                                                                                                                      ACN71759 standard; DNA; 17
                                                                                                                                                                                                                                                      (first entry)
                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ji Y, Penn SG,
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                           US2004137589-A1.
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30-JAN-2001; 2
05-FEB-2001; 2
25-MAY-2001; 2
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30-JAN-2001;
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                                    15;
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                                                                                                                                                                                                                     ACN71759;
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   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (RANK/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HANZ)
                     Best Loca
Matches
                                                                                                                                                   RESULT 376
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                                                                                                                                                                                         The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                    BB; probe; myosin-like protein-1; hGDMLP-1;
-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Shannon ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nvention for scanning the sequence represented in ACN63102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 17 BP; 2 A; 7 C; 4 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DK,
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2001WO-US000662.
2001WO-US000663.
2001WO-US000664.
2001WO-US000666.
                                                  ACN64993 standard; DNA; 17 BP.
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2000US-0236359P.
2000GB-00024263.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JAN-2001; 2011WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-PEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
                                                                                                                                                                                                                                                                                                                                                         26-NOV-2003; 2003US-00723361
                                                                                                                     (first entry)
                                                                                                                                                                                                                     skeletal muscle function
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-533378/51.
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HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                        US2004137589-A1
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30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2

30-JAN-2001; 30-JAN-2001;

21-SEP-2000; 27-SEP-2000;

Homo sapiens.

Human; BB hGDMLP-1

15-JUL-2004

02-DEC-2004

ACN64993

30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2

function.

(RANK/) (CHEN/) (SHAN/)

GUYY/) (PENN/) HANZ/)

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Gaps

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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of HGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
  Disclosure; SEQ ID NO 9687; Opp; English.
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2000US-0236359P.
2000GB-00024263.
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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2001WO-US000662
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2001WO-US000667
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25-MAY-2001; 2001US-00866108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACN72787 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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HANZEL D K.
RANK D.
CHEN W.
SHANNON M E.
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30-JAN-2001; 2
30-JAN-2001; 2
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
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(RANK/)
(CHEN/)
(SHAN/)
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(PENN/)
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pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity NGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                      2; Indels
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                                                                                                                                           Sequence 17 BP; 7 A; 2 C; 7 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                   0; Mismatches
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hanzel
                                                                                                                                                                                                                                                                                     284
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2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
                                                                                                                                                                                                                                                                                                                                 1 TGGAGGAAGCCAAGAAG 17
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACN72785 standard; DNA; 17
                                                                                                                                                                                                                                                                                  268 TAGAAGAAGCCAAGAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-533378/51.
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HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SHANNON M E.
                                                                                                                                                                                       Query Match
Best Local Similarity
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21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2004
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(RANK/)
(CHEN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (JIYY/)
(PENN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SHAN/)
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                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 377
                                                                                                                                                                                                                                      Matches
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Human; 88; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                          Shannon ME;
                                                                                                                                                                          Chen W,
                                                                                                                                                                          Hanzel DK, Rank D,
                                                                                                                                                                          Ji Y, Penn SG,
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
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                                                                                                                                            function.
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                                                                                                                                                                                                                                                                                                                               Query Match
                              (RANK/)
(CHEN/)
(SHAN/)
(JIYY/)
(PENN/)
                    (HANZ/)
                                                                     Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 380
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                                                                                                  The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function.
                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                     Gaps
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0
                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                               The present sequence represents a 17-mer nucleotide, used i
invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 9 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                Disclosure; SEQ ID NO 9689; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:8660.
                                                                                                                                                                                                                                                                                        91 GGGAGAGTGGGCAGGTC 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
2001US-00866108.
                                                                                                                                                                                                                                                                                                                                                               ACN71758 standard; DNA; 17 BP
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2001WO-US000663.
2001WO-US000664.
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                                                                                                                                                                                                                                                                                                     17 GGGAGAGTGGGCCAGTC
                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                          Best Local Similarity 88.2
Matches 15; Conservative
           WPI; 2004-533378/51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens,
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27-SEP-2000;
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                                                             function
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                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 954 deviation from (S1) which are conservative substitutions, and stagnisty to (S1). A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity chGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                             Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                             Chen W,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                                                                                                                                                             Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 8660; Opp; English.
                                                                                                                                                          Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human GDMLP-1 probe SEQ ID NO:8663.
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2001WO-US000661.
2001WO-US000662.
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2001WO-US000665.
2001WO-US000666.
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2000US-0236359P
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nes 15, Conservative
                                                                                                                                                             Penn SG,
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                 WPI; 2004-533378/51.
                                                                                                        SHANNON M E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2004137589-A1
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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ACN70453;
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                                                                                                                                                                                                                                                                                                   function
                                                                                                                                                                                        (RANK/)
(CHEN/)
                                                                                                                                                                                                           (SHAN/)
                                                                                                                                                  (CUYY/)
                                                                                                                                                                                (HANZ/)
                                                                                                                                                            (JIXX)
                                                                                                                                                                     (PENN/
                                                                                                                                                                                                                             Gu Y,
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                                                                                                                                                                                      Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                   Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                           invention for scanning the sequence represented in ACN63103
                                                                                                                                                  Chen W,
                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                   Rank
                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 8663; Opp; English
                                                                                                                                                  DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:2643.
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WS-US000670.
05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
                                                                                                                                                   Hanzel
                                                                                                                                                                                                                                                                                                                                                                                                                                       270 GAAGAAGCCAAGAAGAA 286
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACN65741 standard; DNA; 17 BP
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21-SEP-2000; 2000US-0234687P.
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les 15; Conservative
                                                                                                                                                 Ji Y, Penn SG,
                                                                                     PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                               SHANNON M E.
                                                                                                                                                                    WPI; 2004-533378/51
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                                                                                                                                                                                                                       function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACN65741;
                                                                                                (HANZ/) (RANK/) (CHEN/) (SHAN/)
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                                                                             (JIYY/)
(PENN/)
                                                                    GUYY/)
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and 55% identity to (S1). A polypeptide of the invention acts as a agonist or pharmaceutical composition of the inhibitor of hGDMLP-1 activity. A pharmaceuting a disorder associated with decreased expression or activity of preventing a disorder associated with decreased expression or activity of present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; 88; probe; myosin-like protein-l; hGDWLP-l;
hGDWLP-l agonist hGDWLP antagonist; hGDWLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 17 BP; 1 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 2643; Opp; English.
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
                                                2001WO-US000662.
2001WO-US000663.
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2001WO-US000667.
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     2000GB-00024263
2001WO-US000661
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2001WO-US000665
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Best Local Similarity 88.2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SHANNON M E.
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HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RANK D.
CHEN W.
                                                                                                                                                       30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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04-OCT-2000;
30-JAN-2001;
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions, and 55% identity to (SI). A polypeptide of the invention acts as a agonist or pharmaceutical composition of the inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of pharmaceutical composition of the invention is useful for treating or preventing as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                   Human, 88; probe, myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shannon ME
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88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 7485; Opp; English.
 Human GDMLP-1 probe SEQ ID NO:7485.
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2001WO-US000663.
2001WO-US000663.
2001WO-US000664.
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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HANZEL D K.
RANK D.
CHEN W.
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ses 15; Conserv
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                                                                                                           Ното варіепв.
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21-SEP-2000;
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(RANK/)
(CHEN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 38.2%; Pred. No. 1.9e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention for scanning the sequence represented in ACN63103
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure, SEQ ID NO 7355; Opp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hanzel DK,
                                                                                                                                                                                                              2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
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2000US-0236359P.
2000GB-00024263.
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2001WO-US000668.
2001WO-US000669.
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2001US-0266860P.
2001US-00866108.
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2001WO-US000662
                                                                    26-NOV-2003; 2003US-00723361
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Matches 15; Conservative
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HANZEL D K.
US2004137589-A1
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CHEN W.
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30-JAN-2001;
30-JAN-2001;
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25-MAY-2001;
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88.2%;

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15; Conservative
Best Local Similarity
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CHEN W.
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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25-MAY-2001;
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                                                                                                      RESULT 385
              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of 518, 958 deviation from (S1) which are conservative substitutions, and 558 identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                         Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agoniat hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 8664; Opp; English.
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                                                                                                         Human GDMLP-1 probe SEQ ID NO:8664.
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2001MO-US000661.
2001MO-US000663.
2001MO-US000663.
201MO-US000664.
201MO-US000665.
2001MO-US000665.
                                ACN71762 standard; DNA; 17 BP.
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30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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2000US-0236359P.
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JI Y.
PENN S G.
HANZEL D K.
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CHEN W.
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30-JAN-2001; 2
30-JAN-2001; 2
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30-JAN-2001; 2
30-JAN-2001; 2
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                                                          ACN71762;
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        RESULT 384
                     ACN71762
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 958 deviation from (SI) which are conservative substitutions, and 658 identity to (SI). A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                          Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
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Pred. No. 1.9e+02;
); Mismatches 2;
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2001WO-US000665.
2001WO-US000666.
2001WO-US000667.
2001WO-US000668.
                                     287
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2001US-0266860P.
2001US-00866108.
                                                                                                                           ACN71666 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                               2001WO-US000662
2001WO-US000663
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                                                                                                                                                                                                                                                                                                                                                                                                                                     2001WO-US000661
                                   271 AAGAAGCCAAGAAGAAG
                                                             1 AGGAAGCCAAGAAGGAG
                                                                                                                                                                              02-DEC-2004 (first entry)
                                                                                                                                                                                                                                           hGDMLP-1 agonist hGDMLP a
skeletal muscle function.
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HANZEL D K.
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92
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                                                                                                                                     Query Match
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Matches
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preventing a disorder associated with decreased expression or activity
        hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                    Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                               Gaps
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                                                         Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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                                           Sequence 17 BP; 6 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 9688; Opp; English
                                                                                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:9688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                       30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
65-FEB-2001; 2001US-026660P.
                                                                                                 292 AGGATGCCCTAAATGAG 308
                                                                                                                                                              ВР.
                                                                                                              1 AGGATGACCTGAATGAG 17
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2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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                                                                                                                                                              ACN72786 standard; DNA; 17
                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                              hGDMLP-1 agonist hGDMLP a
skeletal muscle function
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SHANNON M E.
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HANZEL D K.
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CHEN W.
                                                                                                                                                                                                                                                                                          US2004137589-A1
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                                                                                                                                                                                                                                                                         Homo sapiens.
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                                                                                                                                                                               ACN72786
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(PENN/)
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from Which are conservative substitutions, and 65% identity to (SI). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes an isolated human period (Drosophila) homologue 1, (PER1) polynuclectide (I) comprising a sequence which is a polymorphic variant for a reference sequence (ABL52077) for the PER1 gene or its fragment, or a polymorphic variant of a reference sequence (ABL52078) for a PER1 cDNA or its fragment. The present invention also describes methods for genctyping and haphotyping the PER1 gene of an individual. (I) is useful in studying the expression and function of PER1, and in expressing PER1 protein for use in screening for candidate
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the expression and function of the
homolog.
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/note= "polymorphic site indicated by an ambiguity base"
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polymorphic site; genotyping; haplotyping; circadian rhythm regulation;
single nucleotide polymorphism; SNP; gene; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 8 C; 4 G; 3 T; 0 U; 0 Other;
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for therapeutic purposes, for studying
polynucleotide, and for expressing the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
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nes 15; Conservative
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The invention relates to single nucleotide polymorphisms in the human interleukin 8 receptor beta (128RB) gene. A method for haplotyping the LiBRB gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one of the copies of the gene is defined by one of the ILBRB haplotypes given in the specification or whether both copies are defined by a haplotype pair. This method is useful in genotyping, whereby all possible haplotype pair. This method is useful in genotyping, whereby all possible haplotype pair on be assigned to specific genotypes. An association between a trait and a haplotype or haplotype of the haplotype or haplotype of the haplotype or haplotype pair in a reference population, where a higher haplotype or haplotype pair. ILBRB and its corresponding DNA are used
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therapeutic purposes. A recombinant non-human organism transformed or transfected with (1) can be used for studying expression of the PER1 isogenes in vivo, for in vivo screening and testing of drugs targeted against PER1 protein, and for testing the efficacy of therapeutic agents and compounds for disorders associated with circadian rhythm regulation. The present sequence represents an allele specific oligonucleotide primer for human PER1, which is used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; interleukin 8 receptor beta; IL8RB; ss; antiinflammatory; probe; haplotypting; haplotype pair; single nucleotide polymorphism; genotyping; gene therapy; drug screening; chronic obstructive pulmonary disease; inflammatory disease; sequencing primer; PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polymorphic variants comprising interleukin-8 receptor beta (ILBRB) isogene, useful in expressing ILBRB protein for use in screening for candidate drugs to treat diseases related to ILBRB activity, e.g.
                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                    Sequence 15 BP; 1 A; 3 C; 8 G; 2 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                        1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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Best Local Similarity 92.93
Matches 13; Conservative
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for candidate drugs to treat diseases related to ILBRB activity, such as chronic obstructive pulmonary disease related to ILBRB activity, such as chronic obstructive pulmonary disease and other inflammatory disorders. The sequences are also useful for studying the effect of variation on the biological activity of ILBRB as well as on the binding affinity of candidate drugs targeting ILBRB. Sequences AASS5525-AAS95579 represent allele-specific oligonucleotide probes, sequencing primers and PCR primers used to detect ILBRB gene polymorphisms
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                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                0.8%; Score 13.6; DB 1; Length 15; 92.9%; Pred. No. 1.3e+02; ved 1; Mismatches 0; Indels
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94US-00222495.
94US-00224483.
94US-00228041.
94US-00245776.
94US-00291932.
94US-00291932.
94US-00291620.
94US-00303030.
94US-00303030.
94US-00311749.
94US-00311749.
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94US-00334847.
94US-00337608.
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(first entry)
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10-NOV-1994;
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16-AUG-1994;
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07-APR-1997
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Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                                                                                                                                                                                                                                             This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect tibosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, blopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rNNA)
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/tag= a
/note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 15 BP; 2 A; 3 C; 1 G; 9 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                             Claim 22; Page 67; 106pp; English.
                                                                                                                                                              Mollerup TA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide nucleic acid probe 113
                                      96DK-00001096.
96DK-00001156.
97DK-00000512.
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96DK-00001156.
97DK-00000512.
  97WO-DK000425
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                                                                                                                                                                                                    WPI; 1998-240831/21.
                                                                                                                                                            Stender H, Lund K,
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                                                                                                                      DAKO- ) DAKO AS
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modified_base
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18-OCT-1996;
05-MAY-1997;
  03-OCT-1997;
                                                                                05-MAY-1997;
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                                        04-OCT-1996;
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence represents a preferred target sequence for an enzymatic nucleic acid (i.e. a ribozyme) which cleaves relA mRNA at the nucleotide base position indicated in the DE line. The relA gene product is a subunit of the transcriptional regulator NF-kappaB and is implicated specifically in the induction of inflammatory responses. Regions of the mRNA that do not form secondary folding structures and that contain potential hammerhead and hairpin ribozyme cleavage sites were identified by computer analysis. Ribozymes directed against these mRNA sequences were designed and synthesised with modifications that improve their nuclease resistance. The ribozymes are designed to cleave the target sequences and thereby inhibit relA expression, making them potentially useful for treating rheumatoid arthritis, restenosis and asthma as well as for increasing tolerance to transplanted tissues. The potential immunosuppressive properties of a ribozyme that cleaves relA mRNA means that uses are limited to local delivery, acute indications or ex vivo treatment. (Updated on 25-MAR-2003 to correct PI field.)
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                                                                                                                               Dudycz LW;
Mcswiggen JA;
21er D. Thompson JD;
                                                                                                                                                                                                                                                                                   Ribozymes having modified bases and methods for producing them - for use in inhibiting disease related genes.
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A-tag= a
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instead of a deoxyribose backbone"
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                                                                                                                                       o DT, Chowrira B, Direnzo A, Draper KG, Dudycz I
Karpeisky A, Kisich K, Matulic-Adamic J, Mcswigg
Pavco P, Beigleman L, Sullivan SM, Sweedler D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.4; DB 1; Length 15; 86.7%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                    Wincott FE,
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94US-00345516.
94US-00357577.
94US-00363233.
95US-00380734.
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                                                                                                 (RIBO-) RIBOZYME PHARM INC.
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modified_base
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                                                                                                                                                              Grimm S,
Modak A,
Tracz D,
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                              Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                            This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification
                                                                                                                                                                                                                                     Gaps

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/*tag= a
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instead of a deoxyribose backbone"

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ribosomal nucleic acid; rRNA; drug-resistant strain; mutation; ss.
                                                                                                                                                                       drug-resistant strains (which generally have mutations in rRNA)
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                                                                                                                                                                                          Sequence 15 BP; 2 A; 2 C; 1 G; 10 T; 0 U; 0 Other;
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                                                                           Claim 22; Page 67; 106pp; English
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96DK-00001156.
97DK-00000512.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1998-240831/21.
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modified_base
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05-MAY-1997;
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Matches
                                                                                                                                                                                                                                                                                                               RESULT 392
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differentially expresent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or in both. The tag sequences can be used to identify genes by matching the tag to a gen data base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comparises comparing the level of at least one transcript in a first sample of a tissue to a being neoplastic cancer a colon or pancreatic ancer in a being neoplastic and the second sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
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This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification are used to diagnose, stage or monitor infection, or for identification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                    drug-resistant strains (which generally have mutations in rRNA)
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Pred. No. 1.4e+02;
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nes 14; Conservative
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                     IGF-I oligonucleotide #1808.
30-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                        Wraight CJ, Werther GA,
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Matches 14; Conservative
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                                                                                                                                                                       WO200078341-A1
                                                                                                                                                                                                                                         21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                      inflammation.
                                                                                                                                                Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAX30947-31815 represent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or not. The tag sequences can be used to identify genes by matching the tag to a gen date base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comprises comparing the level of at least one transcript in a first sample of a tissue to a second sample, where the first sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
                                                                                                                                                                                                                                                                                                                                                                                                           Use of isolated gene transcripts - useful for developing products for the diagnosis, prognosis and treatment of cancers, particularly colon and pancreatic cancer.
                                                                                                                                                                       Transcript tag sequence increased in pancreatic and colorectal cancer.
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Gaps
                                                                                                                                                                                            Tag sequence; colorectal cancer; pancreatic cancer; colon cancer; diagnosis; prognosis; treatment; 88.
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Mismatches
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                                                                                                  AAX31728 standard; DNA; 15 BP
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                                                                                                                                                (first entry)
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                     807 GCTCAGCAGGCCATG
14; Conservative
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Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                                                               Homo sapiens
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Action of the relation of disease, higher relation of the rela
Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated call proliferation; ichthyosis; serborrhoes; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerodic disease; hyperneovascular condition; hyperplasia; kidney disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to a method for ameliorating the effects of
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Pred. No. 1.4e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neovascular condition of the retina; ss
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                                                                                                                                                                                                                           (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
                                                                                                                                                                                                           invention relates to an isolated, purified human nucleic acid (I) has the same sequence as a mRNA found in humans and is a SAGE
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   colon cancer; colorectal cancer; pancreatic cancer; SAGE tag; analysis of gene expression; diagnostic; prognostic; probe; marker; ss.
Human, colon cancer; colorectal cancer; pancreatic cancer; SAGE ta
serial analysis of gene expression; diagnostic; prognostic; probe;
                                                                                                                                                                    New human nucleic acid containing specific SAGE tags, useful as
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                                                                                                                                                                                                                                                                                               Score 13.4; DB 1; Length 15;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                             diagnostic markers for cancer, also derived probes
                                                                                                                                                                                                                                                                               Sequence 15 BP; 1 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                     Zhang L,
                                                                                                                                                                                              Disclosure; Col 87; 161pp; English.
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                                                                                                                    SNINGOH SNHOL VINU ( OLYU)
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Best Local Similarity 93.3<sup>1</sup>
Marches 14; Conservative
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                                                                                                                                                    WPI; 2002-153821/20.
                  cancer marker; ss
                                                                                                                                    Vogelstein B,
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                                  Homo sapiens
                                                  US6333152-B1
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The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin (HP) motifi where the binding arms comprise acquences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of
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                                                                                                                                               The invention relates to an isolated, purified human nucleic acid (I) that has the same sequence as a mRNA found in humans and is a SAGE (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enzymatic nucleic acid, RNA cleavage, Hepatitis C virus infection, HCV ribozyme; HCV expression, HCV replication; cirrhosis; virucide; liver failure; hepatocellular carcinoma; HCV infection; drug therapy; type I interferon; interferon alpha; interferon beta; cytostatic; ss; interferon gamma; consensus interferon; hepatotropic; antiinflammatory.
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New human nucleic acid containing specific SAGE tags, useful as diagnostic markers for cancer, also derived probes.
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                                                                                                   Disclosure; Col 25; 161pp; English
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ROBERTS B.
PAVCO P A.
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(ROBE/) ROBERTS B.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D
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HCV. They can be used to treat cirrhosis, liver failure and/or hepatocellular carcinoma. The HCV ribozymes are also useful for treating a condition associated with HCV infection in conjunction with one or more other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this patent was obtained in electronic format directly from the USPTO web site at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid our ribozyme is in a hammerhead (HH) or hairpin (HP) motif where the binding arms comprise sequences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of HCV. They can be used to treat cirrhosis, liver failure and/or hepatoccellular carcinoma. The HCV ribozymes are also useful for treating a condition associated with HCV infection in conjunction with one or more
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New ribozymes targeting RNA derived from hepatitis C virus inhibit viral replication and are useful to treat hepatitis C virus infections and cirrhosis, liver failure or hepatocellular carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      type I interferon; interferon alpha; interferon beta; cytostatic; ss; interferon gamma; consensus interferon; hepatotropic; antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                            Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;
liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
                                                                                                                                                                                                      Gaps
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                                                                                                                                                                     / Match 0.8%; Score 13.4; DB 1; Length 15; Local Similarity 86.7%; Pred. No. 1.4e+02; Nes 13; Conservative 1; Mismatches 1: Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Macejack D;
                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus (HCV) ribozyme related RNA sequence #73.
                                                                                                                                                 Sequence 15 BP; 3 A; 8 C; 3 G; 0 T; 1 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 1586; 80pp; English.
                                                                                                                      segdata.uspto.gov/psipsDIDEntry.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Roberts B,
                                                                                                                                                                                                                                                                                                                        ABX01804 standard; RNA; 15 BP.
                                                                                                                                                                                                                              1509 AGCCTCCAGGCCCCC 1523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-617759/66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ROBERTS B.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MACEJACK D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2002082225-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                            23-DEC-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                  ABX01804;
                                                                                                                                                                          Query Match
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(ROBE/)
(PAVC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BLAT/)
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Matches
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The invention relates to methods and compositions of detection and characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (i) a folded target having a DNA sequence comprising at least 1 double stranded region and at least 1 single stranded region; and (ii) at least 1 probe complementary to at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe of folded target complex. Also provided are methods for determination of structure formation in nucleic acid targets; for analysing folded nucleic cide strangets, and for analysis of nucleic acid structures. The methods can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences indicative of an infection, the presence of variants or alleles of mammalian genes associated with disease and cancers, and the indicative of in paternity determinations. The methods allow simultaneous
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other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this parent was obtained in electronic format directly from the USPTO web site at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleic acid detection; nucleic acid characterisation; hybridisation; infection; disease; cancer; forensic; paternity; multiplexing; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               - by mixing
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                                                                                                                                                                                                                                                                                                                                                          Length 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence ID# 68 from patent specification WO9850403.
                                                                                                                                                                                                                                                                                  Sequence 15 BP; 3 A; 8 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                0.8%; Score 13.4; DB 1;
86.7%; Pred. No. 1.4e+02;
iive 1; Mismatches 1;
                                                                                                                                                                                                             seqdata.uspto.gov/psipsDIDEntry.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV70490 standard; DNA; 16 BP
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98US-00034205
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nes 13; Conservative
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Anderson TA, Dahlberg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1998-610317/51.
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03-MAR-1998;
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                                                                                                                                                                                                                                                                                                                                                          Query Match
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analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The products produced are amenable to qualitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support). The methods are powerful in that they allow for analysis of longer tragments of nuclaic acid than current methodologies. The present sequence represents the sequence no:68 in the specification for which no information is provided
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Sequence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;

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Gaps
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0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indels
                                                                              1508 CAGCCTCCAGGCCCC 1522
   Query Match
Best Local Similarity 93.3<sup>3</sup>
Matches 14, Conservative
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AAV70489 standard; DNA; 16 08-APR-1999 AAV70489; RESULT 401 AAV70489 

ВР

(first entry)

Nucleic acid detection; nucleic acid characterisation; hybridisation; infection; disease; cancer; forensic; paternity; multiplexing; ss. Sequence ID# 67 from patent specification WO9850403.

Unidentified

WO9850403-A1. 12-NOV-1998 98WO-US003194. 05-MAY-1997; 05-MAY-1998;

97US-00851588. 97US-00934097. 98US-00034205. 19-SEP-1997; 03-MAR-1998; (THIR-) THIRD WAVE TECHNOLOGIES INC.

Brow MAD; Neri BP, Fors L, Prudent JR, JE; Dong F, Lyamichev VI, Anderson TA, Dahlberg

WPI; 1998-610317/51.

Detection and characterisation of nucleic acid sequences - by mixing a folded target and one or more probes to form a probe/folded target complex and detecting and characterising the complexes.

Disclosure; Page 180; 279pp; English.

The invention relates to methods and compositions of detection and characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (i) a method of detection and characterisation comprises: (a) providing: (i) a conded target having a DNA sequence comprising at least 1 double stranded region and at least 1 single stranded region; and (ii) at least 1 probe complementary to at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe complex. Also provided are methods for determination of structure formation in nucleic acid targets; for analysing folded nucleic acid structures. The methods can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences can be used for the presence of pathogenic nucleic acid sequences of an infection, the presence of variants or alleles of mammalian genes associated with disease and cancers, and the name to the source of nucleic acids found in forensic samples,

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The present sequence represents a polynucleotide that is able to form a triple helix with a double stranded sequence. Cytosine bases in the present can be replaced with 5-methylcytosine for increased triplex stability. The present sequence is used in the assay of the invention, where it can be part of the anchor DNA or reporter DNA sequence. The sequences to an aqueous medium containing double-stranded DNA test compared to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the anchor DNA or reporter DNA, where either a part of the reporter DNA which is detected as an indication of structure with part of the test sequence. Triplex formation results in claplacement of the reporter DNA which is detected as an indication of the presence of the DNA test sequence. The method is a used to detect DNA captures, particularly for identification of bacteria (by detecting concogenes and Hepatitis B virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Triplex formation; DNA detection; triple helix; identification; bacteria;
      as well as in paternity determinations. The methods allow simultaneous analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The products produced are amenable to qualitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support). The methods are powerful in that they allow for analysis of longer fragments of nucleic acid than current methodologies. The present sequence represents the sequence no:67 in the specification for which no information is provided
well as in paternity determinations. The methods allow simultaneous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Triple helix third strand of dystrophin gene nucleotides 4480-4495.
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                                                                                                                                                                                                                                                      Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                    Sequence 16 BP; 4 A; 8 C; 3 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         oncogene; virus; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-DEC-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-OCT-1992;
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Nucleic acid accessible hybridisation site; detection; hybridisation; characterisation; identification; nucleic acid structure; diagnosis;
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                                                                                                                     Hepatitis C virus PCR primer SEQ ID NO:67.
                                                                                                                                                                                                                                                                                                                                                                 (THIR-) THIRD WAVE TECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                15-JUN-2001; 2001WO-US019401.
                                                                                                                                                                                                                                                                                                                          17-JUN-2000; 2000US-0212308P.
15-JUN-2001; 2001US-00212308.
                                      ABL46100 standard; DNA; 16
                                                                                          26-APR-2002 (first entry)
                                                                                                                                                                           PCR primer, probe, ss.
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                                                                                                                                                                                                    Hepatitis C virus.
                                                                                                                                                                                                                                          WO200198537-A2.
                                                                                                                                                                                                                                                                                                                                                                                            Lyamichev V,
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                                                                                                                                                                                                                  Synthetic.
                                                                 ABL46100;
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           RESULT 404
ABL46100
ID ABL461
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a method for identifying oligonucleotides with desired hybridisation properties to nucleic acid targets containing secondary structure. The method comprises amplifying a target nucleic acid having at least one accessible and one inaccessible site. Primers that form an extension product are identified as the oligonucleotides which can interact with the folded target nucleic acid. Oligonucleotides from the present invention can be used in novel detection methods for clinical disgnostic purposes, including the detection and identification of pathogenic organisms (e.g. HIV). The method allows the ability to rapidly analyse nucleic acid structures. ABL46034 to ABL46367 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Identifying oligonuclectides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under
                                                                 Gaps
                                                                                                                                                                                                                                                                                               Nucleic acid accessible hybridisation site; detection; hybridisation; characterisation; identification; nucleic acid structure; diagnosis; PCR primer; probe; ss.
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                                   Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dong F, Neri BP, Vener IT;
            Sequence 16 BP; 0 A; 4 C; 1 G; 11 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                     Hepatitis C virus PCR primer SEQ ID NO:68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (THIR-) THIRD WAVE TECHNOLOGIES INC.
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                                                                                                                                                                                        ABL46101 standard; DNA; 16 BP.
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15-JUN-2001; 2001US-00212308.
                                                                                          271 AAGAAGCCAAGAAGA 285
                                                                                                                    15 AAGAAGCAAAGAAGA 1
                                                                                                                                                                                                                                          26-APR-2002 (first entry)
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Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amplification conditions.
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                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus.
Synthetic.
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Vener IT;

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                                                                                                                                                                                                                                                                           The present invention describes a method for identifying oligonucleotides with desired hybridisation properties to nucleic acid targets containing accondary structure. The method comprises amplifying a target nucleic acid having at least one accessible and one inaccessible site. Primers that form an extension product are identified as the oligonucleotides which can interact with the folded target nucleic acid. Oligonucleotides from the present invention can be used in novel detection methods for clinical diagnostic purposes, including the detection and identification of pathogenic organisms (e.g. HIV). The method allows the ability to rapidly analyse nucleic acid structures. ABL46034 to ABL46367 represent sequences used in the exemplification of the present invention
Identifying oligonucleotides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under amplification conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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93.3%; Pred. No. 1.7e+02;
iive 0; Mismatches 1;
                                                                                                                                                                                                             Example 8; Page 370; 409pp; English.
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nes 14; Conservative
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1508 CAGCCTCCAGGCCCC 1522

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(INMR ) BIO MERIEUX
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                                                                                                                                                                                                                                                           Analyzing nucleic acids, comprises mixing target nucleic acid such hepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acid analysis method associated oligonucleotide segid 68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nucleic acid analysis; hepatitis C virus;
non-contiguous single-stranded region; NCSR; cleavage structure;
clinical; diagnostic; microorganism detection;
microorganism identification; ss.
                                                                                                                                                                                                        Brow MAD,
nucleic acid analysis; hepatitis C virus; non-contiguous single-stranded region; NCSR; cleavage structure; clinical; diagnostic; microorganism detection; microorganism identification; ss.
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                                                                                                                                                                                                         Dong F, Lyamichev VI, Prudent JR, Fors L,
Anderson TA, Dahlberg JE;
                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 67; 143pp; English.
                                                                                                                                                                                     (THIR-) THIRD WAVE TECHNOLOGIES INC.
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                                                                                                                                            97US-00851588.
97US-00934097.
98US-00034205.
                                                                                                                         2000US-00402618
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Best Local Similarity 93.3
Matches 14; Conservative
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                                                                                                                         18-JUL-2000;
                                                                                US6709815-B1
                                                                                                                                             05-MAY-1997;
                                                                                                                                                         19-SEP-1997;
03-MAR-1998;
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                                                            Synthetic
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                                                                                                                                                                                                                                                                                                                                                       Analyzing nucleic acids, comprises mixing target nucleic acid such as hepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ds; gene; in vitro diagnosis; virus-related disease; {
m HIV-1}; {
m HIV-2}; {
m linker}.
                                                                                                                                                                                                                Brow MAD;
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                                                                                                                                                                                                                   Dong F, Lyamichev VI, Prudent JR, Fors L, Neri BP, Anderson TA, Dahlberg JE;
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/partial
/note= "No start/stop codon given"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 68; 143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                 (THIR-) THIRD WAVE TECHNOLOGIES INC.
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                                                                            97US-00934097.
                                                    97US-00851588.
18-JUL-2000; 2000US-00402618
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                                                                                                                                                                                                                                                                                                           WPI; 2004-256067/24.
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                                                                                        19-SEP-1997;
03-MAR-1998;
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nicking agent, and the conditions cause the nicking agent to nick the
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                                                                                                                                     The invention relates to a novel recombinant DNA (I) encoding a recombinant chimeric protein (II). The protein consists of at least two nucleotide fragments, each encoding an epitopic region of at least one microorganism; at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one in vitro diagnosis, especially of virus-related diseases, specifically HIV-1 or -2 infections. The protein is easy to purify and synthesise, and has strong immunoreactivity with sera from virus-infected subjects. The present sequence encodes a linker of the recombinant chimeric peptide of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying nucleic acid sample source, useful for identifying bacterial strains involved in nosocomial infections, comprises treating the nucleic acid sample with components comprising a nicking agent under nicking
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a
                                                                   New recombinant DNA encoding chimeric protein, useful for in vitro diagnosis of viral infections, comprises sequences encoding epitopic regions, a linker and a binding region.
                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.
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                                                                                                                                                                                                                                                                                             0.8%; Score 13.4; DB 1; Length 16; 13.3%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                     Sequence 16 BP; 2 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E. coli nicking agent target DNA #26.
                                                                                                                Claim 5; SEQ ID NO 11; 33pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Galas DJ, Van Ness LK;
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                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                           476 CCTGAACCAGAGCTC 490
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                                                                                                                                                                                                                                                                                                        93.3%;
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                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 93.33
                                  WPI; 2004-259482/25.
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                                              P-PSDB; ADM80153
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                                                                                                                                                                                                                                              the invention.
             Letourneur O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Van Ness J,
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Intraing agent, and the Contactions cause the intraing agent. Contaction and subjecting one or more members of the family of initiating only produce a family of initiating on contact action of contact and subjecting one or more members of the process to thus provide results. The method is useful for creating an assay panel of diagnostic oligonucleotides that can identify any organism or individual. The method is useful for characterizing other DNA contactions and for characterizing cDNA expression patterns. The method is useful for identifying the source organism of a nucleic acid sample e.g., bacterium, fungus, vitus, plant, con-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species. The subspecies, and especially strains or individuals of the subspecies. It is especially useful for identifying different bacterial strains involved or in e.g., nosocomial infections. Furthermore, the method is useful for diagnosing bacterial disease in plants and humans, monitoring for bacterial contemination, monitoring manufacturing processes for bacterial contamination, monitoring manufacturing processes for contamination and/or contamination in the envisonment, monitoring processes for bacterial contamination, monitoring manufacturing processes for contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or eventamination in the envisor of for for the present and recombinant molecules. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            corresponds to nucleic acid used in the method of the invention
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3.3%; Pred. No. 1.7e+02;
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Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2004067765-A2.
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating oligonucleotide fragments to a characterization oligonucleotide fragments to a characterization confidently of initiating oligonucleotide fragments to a characterization confidently and for characterization dencile e.g., cDNA, and for characterizing other DNA confidently and for characterizing cDNA expression patterns. The method, is useful for identifying the source organism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, connon-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species, subspecies, and especially strains or individuals of the subspecies. It is especially useful for identifying different bacterial strains involved in e.g., noscomial infections. Furthermore, the method is useful for identifying parter and humans, monitoring for contamination and/or contamination, monitoring quality assurance/quality control of bacterial contamination, monitoring quality assurance/quality control of contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of bacterial infections, genome mapping, contamination and/or outbreaks of parterial assays, tracing bacterial contamination sites, and for monitoring agricultural sites for test crops, bacteria and recombinant molecules. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Identifying nucleic acid sample source, useful for identifying bacterial strains involved in nosocomial infections, comprises treating the nucleic acid sample with components comprising a nicking agent under nicking conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ss; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E. coli strain K12 detection oligonucleotide K12-558515.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Van Ness LK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADR33575 standard; DNA; 16 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-2004; 2004WO-US002720.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-NOV-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating of process to thus provide results. The method is useful for creating an suspection of individual. The method is useful for characterization creating an sasay panel of diagnostic oligonucleotides that can identify any organism or individual. The method is useful for characterizing other DNA concluses e.g., cDNA, and for characterizing other DNA concluses of the method, kit or composition is useful for identifying the source organism of a nucleic acid sample e.g., bacteriularly useful for rapidly conn-human animal or human. The method is particularly useful for rapidly conn-human animal or human. The method is particularly useful for rapidly cin e.g., nosocomial infections. Furthermore, the method is useful for identifying prokaryotic and eukaryotic species. It is especially useful for identifying prokaryotic and eukaryotic species. Confeminal infections. Furthermore, the method is useful for in e.g., nosocomial infections. Furthermore, the method is useful for identifying duality assurance/quality control of bacterial contemination, monitoring quality assurance/quality control of tood for bacterial contamination, monitoring quality assurance/quality control of bacterial contamination, monitoring quality assurance/quality control of contamination and/or contamination in the environment, monitoring processes for contamination and/or outbreasks of bacterial infections, genome mapping, content processes of contamination and recombinant molecules. This sequence corrected and recombinant molecules. This sequence corrected and recombinant molecules. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antiangiogenic; cytostatic; antiarteriosclerotic; antipsoriatic; antidiabetic; ophthalmological; antiarthritic; antirheumatic; antialleracic; antianterior; dermatological; anti-HIV; virucide; survivin antagonist; apoptosis inhibitor; cellular proliferation inhibitor; apoptosis inhibitor; abnormal angiogenesis; chemotherapeutic agent; busulfan, myleran; abnormal angiogenesis; chemotherapeutic agent; busulfan, myleran; psorianis; diabetic retinopathy; rheumatoid arthritis; asthma; warts; allergic dermatitis; cancer; tumour; sarcoma; glioma; carcinoma; allergic dermatitis; cancer; tumour; sarcoma; chondrosarcoma; malignant fibrous histicytoma; fibrosarcoma; Kaposi's sarcoma; pacitaxel; Docetaxel.
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/mod base OTHER
/note= "OTHER = phosphorothioate internucleotide
1inkages, all locked nucleic acid (INA) residues are 5'-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               detect an E. coli strain K12 sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
Example 2; Page 94; 238pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADR69939 standard; DNA; 16 BP
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modified_base
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADR69939;
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completed: September 13, 2005, 10:42:46

Job time : 10 secs

Search

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/mod_base= OTHER
Interpolation Deta-D-oxy-locked nucleic acid but optionally DNA nucleotides, optionally phosphate internucleotide linkages"
                                                                                                                                                                                                                                                              /mod_base= OTHER
/note= "OTHER = beta-D-oxy-locked nucleic acid but
/note= "OTHER = beta-D-oxy-locked nucleic acid but
optionally DNA nucleotides, optionally phosphate
internucleotide linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hansen B, Thrue CA, Petersen KD, Westergaard M, Wissenbach M;
methyl cytosine residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID NO 8; 122pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-FEB-2004; 2004WO-DK000096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-FEB-2003; 2003DK-00000183
18-NOV-2003; 2003DK-00001708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SANT-) SANTARIS PHARMA AS.
                                                                                                                                                                                                                                        *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-625494/60.
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                           modified_base
                                                                                                                                                                                                      modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-AUG-2004.
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The invention relates to an oligomeric compound (I) capable of modulating survivin expression, having 8-50 nucleotides and/or nucleotide analogues, where the subsequence of at least 8 nucleotides or nucleotide analogues, where the subsequence is located within a sequence chosen from one of 143 sequences given in the specification. (I) is useful for treating a mammal suffering from or susceptible from a disease caused by abnormal angiogenesis, by administering (I) containing one or most cancer, in combination with chemotherapeutic agent such as busulfan (myleran), carboplatin (paraplatin), Taxol, doxorubicin (adriamycin), etc. (I) or a conjugate (II) containing (I) is useful in the preparation of a medicament for the treatment of atherosclerosis, psoriasis, diabetic retinopathy, rheunatoid arthritis, asthma, warts and allergic dermatitis. (I), (II) or a pharmaceutical (III) containing (I) is useful for treating cancer in the form of a solid tumour, sarcoma, gloma or carcinoma chosen from malignant melanoma, basal cell carcinoma, ovarian carcinoma, breast carcinoma, non-small cell lang cancer, renal cell carcinoma, bladder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   carcinoma, recurrent superficial bladder cancer, stomach carcinoma, prostatic carcinoma, pancreatic carcinoma, lung carcinoma, cervical carcinoma, cervical dysplasia, laryngeal papillomatosis, colon carcinoma, colorectal carcinoma and carcinoit tumours. The malignant melanoma is chosen from superficial spreading melanoma, nodular melanoma, lentigo maligna melanoma, acral melanoma, and desmoplastic melanoma. The sarcoma is chosen from osteosarcoma, baing's sarcoma, chondrosarcoma, paingle should kaposi's
New locked nucleic acid containing oligomeric compound capable of modulating survivin expression, useful for treating cancer such as breast carcinoma, lung carcinoma, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Barcoma. The treatment further involves administration of a chemotherapeutic agent such as taxanes, preferably Taxol, Paclitaxel or Docetaxel. (I), (II) or (III) is also useful for preventing or limiting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               apoptosis or for preventing cellular proliferation. This sequence corresponds to an antisense oligonucleotide targeted to the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 16 BP; 1 A; 3 C; 1 G; 11 T; 0 U; 0 Other;
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0; Gaps

Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1: Indels

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Scoring table:

Searched:

0B 0B

Minimum Maximum Database :

score:

Title: Perfect :

Sequence:

OM nucleic

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dasea I to 46)

11 (Dasea I to 46)

11 (Dasea I to 46)

12 (Daseo. S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Mardis, E., Moore, B., Morris, M., Parange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tange, C., Rifkin, L., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46 bp mRNA linear EST 02-MAR-19: yc60b12.81 Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                Injury of the control of the contact the contact the IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality
            1 (bases 1 to 48)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Leh,M., Lennon,G., Marra,M.
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                          Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1136 CGAGCAGTTTAACTGGGTGTCCCGGCTGGCAAACCTCACGCAAGGCGA 1183
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97.9%; Pred. No. 0.54;
ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:3791842"
                                                                                                                                                                                                                                                                          Email: est@watson.wustl.edu
High quality sequence starts: 1
High quality sequence stops: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:9606"
/clone="IMAGE:242709"
                                                                                                                                                                                                                                                                                                                                                                                                                  Seg primer: M13RP1
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                   The WashU-Merck EST Project Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T74174.1 GI:690849
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
    Mammalia;
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Best Local
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KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               source
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                                                                                                                                   TITLE
JOURNAL
COMMENT
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AUTHORS
                    REFERENCE
AUTHORS
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T74174/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURES
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ACCESSION: BF342092
ACCESSION: T74174
ACCESSION: T71848
ACCESSION: CW020522
ACCESSION: CW020522
ACCESSION: CW020522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACCESSION: BF339449
ACCESSION: BF342092
ACCESSION: T71848
ACCESSION: H93557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vv14d11.r1 Soares fetal liver spleen INFLS Homo sapiens cDNA clone
IMAGE:242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACCESSION: CN752857
ACCESSION: CW020522
ACCESSION: CF278327
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                                                                                                                                       2; Search time 0.001 Seconds (without alignments) 824.786 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ACCESSION: H93557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                          1 gaatteegeegetgaeegag........taaaaetgtettgtgagetg 1643
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                                                                                                                                                                                                                                                                                                                                                                                                   91
                      GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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                                                                                                                                       September 13, 2005, 10:53:12
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Gapop 10.0 , Gapext 0.5
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Maximum Match 100%
Listing first 5000
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Homo sapiens
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Match Length DB
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                                           Copyright
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Result Š 0000

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02-MAR-1995

H93557

RESULT 1 H93557 LOCUS DEFINITION

H93557

ACCESSION

VERSION KEYWORDS SOURCE ORGANISM

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Location/Qualifiers
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Best Local Similarity
Matches 39; Conserv
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BF342092
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5', mRNA sequence.
BF339449
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NIH-MGC http://mgc.noi.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
National Institutes of Health, Mammalian Gene Collection (MGC)
Contact: Robert Strausberg, Ph.D.
Email: capabs-remail.nih.gov.
Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CLORE distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM9508 row: f column: 01
High quality sequence stop: 38.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 39)
                 Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                   High qality sequence starts: 1
High qality sequence stops: 1
Source: IMAGE Consortium, LINI,
This clone is available royalty-free through LINI, ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                          Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1553 TCCTGCACTCTAACACTCGACTCTGCTGCTCATGGGAAGAACAGAA 1598
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                                                                                                                                                                                                                                                                                                                                                                        1. .46
/organism="Homo sapiens"
/ol_type="mRNA"
/db_xref="GDB:502112"
/db_xref="taxon:9606"
/clone="IMAGE:85055"
                                                                                                                                                                                                                                                                                                                   Seq primer: -21m13
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                        Email: est@watson.wustl.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            42; Conservative
                                                                                                                                                 Tel: 314 286 1800
Fax: 314 286 1810
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AUTHORS
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                     TITLE
JOURNAL
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COMMENT
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BF339449
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                                                                                               COMMENT
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/dlone="INAGE:4148962"
/clone="INAGE:4148962"
/tissue_type="glioblastoma with EGFR amplification"
/lab_host="BH108 (TI phage-resistant)"
/clone lib="NOT (GAP Brn64"
/note="Organ: brain, Vector: pCNV-SPORT6; Site_1: NotI;
Site_2: Sall; cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_GGAP Library."
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IIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)

Contact: Robert Strausberg, Ph.D.
                                                                                                                 /tissue_type="glioblastoma with EGFR amplification" / lab host="DH10B (T1 phage-resistant)" / lone lib="WICL CGAP Brn64" / note="Organ: brain; Vector: pCWV-SPORT6; Site_1: Not1; Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.57 kb. Constructed by Life Technologies. Note: this is a NCI_CGAP Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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100.0%; Pred. No. 1.2;
                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 39;
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Plate: LLM9409 row: o column: 11
High quality sequence stop: 37.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.4%; Score 39; DB Best Local Similarity 100.0%; Pred. No. 1.2 Matches 39; Conservative 0; Mismatches
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Conservative 0; Mismatches
'organism="Homo sapiens"
                                                                                       /clone="IMAGE:4186752"
                         /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BF342092.1 GI:11288842
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BF342092
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

JOURNAL MEDLINE PUBMED COMMENT

TITLE

DEFINITION

RESULT 5 T71848/c

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The Washu-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forset Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Email: est@watson.wustl.edu
High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@minge.llnl.gov) for further information.
Trace considered overall poor quality
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                                              Homo sapiens

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mamalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 48)

Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,

Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M.,

Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F.,

Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryca, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 39)
11 Hym.Gr. http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36 AGGTTTNCCAGCCGGACACCCCAGTTAAACTGC 4
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/mol_type="mRNA"
/mol_type="mRNA"
/db_xref="GDB:3791842"
/db_xref="taxon:9606"
/clone="IMAGE:242709"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seq primer: M13RP1
High quality sequence stop: 1.
Location/Qualifiers
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BF339449.1 GI:11285904
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Homo sapiens
                           Homo sapiens (human)
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Best Local Similarity 66.7%
Matches 22, Conservative
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                                                                                                                                                                                                                                                                Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            source
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KEYWORDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: 314 286 1800
Fax: 314 286 1800
Eax: 314 286 1800
Email: est@watson.wustl.edu
Insert Size: 26
High qality sequence starts: 1 High qality sequence stops: 1
Source: IMAGE Consortium, LINU, This clone is available royalty-free through LLNL, contact the IMAGE Consortium (info@image.llnl.gov)
For further information. Trace considered overall poor quality
Seq prime: -21m13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48 bp mRNA linear EST 01-DEC-1995 yv14d11.rl Soares fetal liver spleen INFLS Homo sapiens CDNA clone IMAGE:242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);
                                                      01-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /dev agage="49 years old"
/lab host="SOLR cells (kanamycin resistant)"
/lab host="SOLR cells (kanamycin resistant)"
/clone_lib="Strattagene liver (#937224)"
/note="Organ: liver; Vector: pBluescript SK; Site_l:
BCORI; Site_2: XhoI; Cloned unidirectionally. Primer:
BCORI; Site_1: Liver; Vector: pBluescript Reacacasian. Average insert size: 1.1 kb; Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'
                                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
Hiller, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Le, Moore, B., Moorie, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohling, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                              40 bp mRNA linear EST 01-MAR-199 yc64e06.81 Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:8474 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2.4%; Score 39; DB 1; Length 40; 97.5%; Pred. No. 1.2; 1; Indels iive 0; Mismatches 1; Indels
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CTCGAGTTTTTTTTTTTTTTT 3'
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/organism="Homo sapiens"
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/db_xref="GDB:502531"
/db_xref="taxon:9606"
/clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 High quality sequence stop: 1. Location/Qualifiers
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H93557
H93557.1 GI:1099885
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T71848.1 GI:686369
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                                                                                                                                  nRNA sequence.
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Hiller,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B., Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Mardis,E., Moore,B., Morris,M., Parsons,J., Parange,C., Riffin,L., Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Travaskis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               yc60b12.81 Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
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Genome Res. 6 (9), 807-828 (1996)
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Email: est@watson.wustl.edu
High qality sequence starts: 1
High qality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (infc@image.llnl.gov) for further information.
Trace considered overall poor quality
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Technologies. Note: this is a NCI CGAP Library."
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                                                                         0.8%; Score 12.8; DB 1; Length 39, 70.8%; Pred. No. 11;
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/db_xref="GDB:502112"
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High quality sequence stop: 1.
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/clone="IMAGE:85055"
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Matches 17; Conserv
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I (bases 1 to 30)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                        Email: cgapbe-remail.nih.gov
Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.B. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.W.A.G.B. Consortium/LLNL at:
http://image.llnl.gov.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.process.proces
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Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Tnoyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be thtup://image.llhl.gov
thttp://image.llhl.gov. o column: 11
High quality sequence stop: 37.
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Pred. No. 11;
0; Mismatches 7; Indels

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    /organism="Homo sapiens"

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Contact: Robert Strausberg, Ph.D.
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Location/Qualifiers
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DEFINITION

RESULT 10

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T71848

ACCESSION

VERSION KEYWORDS

ORGANISM

SOURCE

REFERENCE AUTHORS

MEDLINE PUBMED

COMMENT

TITLE JOURNAL

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Gryza sativa (japonica cultivar-group)

Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Ehrhattoideae; Oryzae; Oryzae;

I (bases 1 to 14)

Song, S.I., Kim, Y.K., Kim, Y.K., and Nahm, B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact. Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University

Yongin, Kyeonggi, Korea

Tel: 82 31 330 6193

Fax: 82 31 321 6355

Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
                                                                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalla, Eutheria, Rodentia, Sciurognathi, Muridae, Mutinae, Mus. 1 (Dases 1 to 13) (Cobellis, G., Nicolaus, G., Marra, E., Barbarisi, M., Sardiello, M., Di Gorgio, F. P., Iovino, N., Zollo, M., Ballabio, A. and Cortese, R. Tagging genes with cassette-exchange sites Unpublished (2004)
                                                                                                                                                                                                                                                                                                                                                                   Tel: +390816132205

Fax: +390815790319

Fax: +30815790319

Email: cobellis@iigem.it

Sequence tag generated by 5' RACE of total RNA from gene trap ES

cell line. ES cell lines harboring insertion mutation of target

gene are available upon request from TIGEM. Annotation information
available from TIGEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CF278327
14 bp mRNA linear EST 14-AUG-20
14ETL--04-D06.b1 Rice etiolated leaf plasmid cDNA library (14ETL)
Oryza sativa (japonica cultivar-group) cDNA clone 14ETL--04-D06,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /cell_type="Embryonic stem cell"
/cell_line="E14"
/clone_lib="TIGEM gene trap library"
/note="Vector: pFLIP1"
                                                                                                                                                                                                                                                                                                                                                 Via P. Castellino, 111, 80131 NAPOLI, ITALY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oryza sativa (japonica cultivar-group)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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92.3%; Pred. No. 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="mRNA"
/strain="129 ola"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone="m4.E4.D08"
                                                                                        Mus musculus (house mouse)
Mus musculus
                                                CW020522.1 GI:52789782
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1498 AACCAGGCCCCAG 1510
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                                                                                                                                                                                                                                                                                   Contact: TIGEM
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      mRNA sequence.
CW020522
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            High qality sequence starts: 1 High qality sequence stops: 1 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality Seq primer: -21ml3 High quality sequence stop: 1. Location/Qualifiers
                                                                                                                                171848 10-MAR-1995 17848 1 Stratagene liver (#937224) Homo sapiens CDNA clone IMAGE:85474 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.8%; Score 12.6; DB 1; Length 40;
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CTGTTCTTCCCATGAGCAGCAGAGTCGGGTTTTAGCGTNCA 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. 11;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:502531"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     db_xref="taxon:9606"
clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: est@watson.wustl.edu
Insert Size: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58.3%;
                                                                                                                                                                                                                                                                                     Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sex="male"
                                                                                                                                                                                                                                           T71848.1 GI:686369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21; Conservative
                                                                                                                                                                                                 mRNA sequence.
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                                                                                                                                                                                                                                                                                                           Homo sapiens
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FEATURES

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EST 14-AUG-2003

Best Local

Matches

ઠ 유 LOCUS DEFINITION

RESULT 11 CW020522/c

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Acyrthosiphon pisum (pea aphid)
Acyrthosiphon pisum
Bukaryota, Matazoa, Arthropoda; Hexapoda; Insecta; Pterygota;
Bukaryota, Paraneoptera; Hemiptera; Sternorthyncha; Aphidiformes;
Aphidoidea; Aphididae; Macrosiphini; Acyrthosiphon.
1 (bases 1 to 12)
Hunter, W., Martinez-Torres, D., Rabbe, Y., Sabater-Munoz, B.,
Stern, D., Tagu, D. and Wincker, P.
An expressed sequence tags database for the pea aphid Acyrthosiphon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CW020522 113EM gene trap library Mus musculus cDNA clone m4.E4.D08, mRNA sequence.
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                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                    CN752857 12 bp mRNA linear ES:
ApHL3LD-VII-F11 ApHL3LD Acyrthosiphon pisum cDNA clone
ApHL3LDVIIF11 5', mRNA sequence.
                                DB 1; Length 12;
14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      UMR BiO3P, BP 35327, F-35653 Le Rheu Cedex France
Tel: +33.2.23.48.51.65
Fax: +33.2.23.48.51.50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:7029"
/clone="ApHi3LDVIIF11"
/tissue_type="head"
/dev_stage="third_instar_nymph_(L3)"
/lab_host="TOP10"

    .12
        / forganism="Acyrthosiphon pisum"
/mol type="mRNA"
/culTivar="yr2"

                                                                                               0; Mismatches
                                0.7%; Score 11;
100.0%; Pred. No.
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Location/Qualifiers
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Best Local Similarity 100..
Best Local 9, Conservative
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Unpublished (2004)
                             Query Match 0.7
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                              279 AAGAAGAAGAA 289
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INRA Rennes
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CW020522
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CN752857
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1 (bases 1 to 12)
Hunter, W., Martinez-Torres, D., Rabbe, Y., Sabater-Munoz, B., Agtern, D., Tagu, D. and Wincker, P.
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/note="Vector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
/note="Wector: pDNR-LIB; Site_1: SfilA; Site_2: SfilB;
Sample name: ApHL3LD; Plant growth place: INRA-Rennes,
UMR Bio3P, B 3527, 35653 Le Rheu cedex, France; Soil
conditions: peat; Sowing date: 18/01/2003; Harvesting
date: 03/02/2003; Stress date: no stress; Description:
aphids inoculated on one-week old Vicia faba germinations
under non sterile conditions; experimental condition:
long photoperiod (16-hr light/8-hr dark at 18 c)"
                                                                                                                                                                                                                                                                                                                                                   /note="Vector: pCR4-TOPO; Site 1: EcoRI; mRNA was capped with oilgoribonucleotides and then used as templates for RT-PCR."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                  /clone_lib="Rice etiolated leaf plasmid cDNA library (14ETL)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: D. Tagu
INRA Rennes
INRA Rennes
THE 1: 4312.23.48.51.65
Fax: +33.2.33.48.51.65
Risk of contamination by bacterial sequences from obligatory
(Buchnera) or facultative endosymbionts.
                                                                 organism="Oryza sativa (japonica cultivar-group)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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ApHL3LD-VII-F11 ApHL3LD Acyrthosiphon pisum cDNA clone ApHL3LDVIIF11 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.7%; Score 11.4; DB 1; Length 14; 92.3%; Pred. No. 14; 11, Indels tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                       /dev_stage="14 days after germination"
/lab_host="E.coli DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db_xref="taxon:7029"
/clone="ApHL3LDVIIF11"
/tissue_type="head"
/dev_stage="third instar nymph (L3)"
/lab_host="TOP10"
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                                                                                                                                                           db_xref="taxon:39947"
/clone="14ETL--04-D06"
/tissue_type="leaf"
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                                                                                            /mol_type="mRNA"
/cultivar="Nackdong"
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/cultivar="yr2"
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SM Oryza sativa (japonica cultivar-group)

Oryza sativa (japonica cultivar-group)

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzae. Oryza.

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S Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C., Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)

Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bloscience and Bioinformatics, MyongJi University

YongJin, KyeongGi, Korea

Tel: 82 31 320 6193

Fax: 82 31 321 6355

Email: bhanhm@gdpio.com, bhnahm@bio.myongji.ac.kr.
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14FIL--04-D06.b1 Rice etiolated leaf plasmid cDNA library (14ETL)
Oryza sativa (japonica cultivar-group) cDNA clone 14ETL--04-D06,
mRNA sequence.
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                                                                                          Mus musculus Buteleostomi, Buteleostomi, Bukaryote, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus. 1 (bases 1 to 13)
Cobellis, G., Nicolaus, G., Marra, E., Barbarisi, M., Sardiello, M., Di Giorgio, F.P., Iovino, N., Zollo, M., Ballabio, A. and Cortese, R. Tagging genes with cassette-exchange sites
Unpublished (2004)
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Tel: +390816132205
Fax: +39081513205
Fax: +390815790919
Email: cobellis@tigem.it
Sequence tag generated by 5' RACE of total RNA from gene trap ES
cell line. ES cell lines harboring insertion mutation of target
available from TIGEM.
Class: Gene Trap.
Location/Qualifiers
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0.5%; Score 8.2; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 18;
Matches 10; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cell_type="Embryonic stem cell"
/cell_line="E14"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /db_xref="taxon:10090"
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                                                                  Mus musculus (house mouse)
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CW020522.1 GI:52789782
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